



29 Jan 1997

## The Missouri Miner, January 29, 1997

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# MISSOURI MINER



A publication of the students of the University of Missouri-Rolla

January 29, 1997

Volume 86, Number 16

Twenty pages

## Minority Engineering Program moves



Amy Strouse  
Staff Writer

On Friday, January 24 the Minority Engineering Program celebrated its new location in room 212 Engineering Research Laboratory with an open house. In addition to staff offices, the new location now houses a study center and offices for the Society of Hispanic Engineers, National Society of Black Engineers, and the Society of Women Engineers.

The program is staffed by Director Floyd Harris, who began with the program in 1974 as a counselor; Assistant Director, Lanell Allen; and a senior and temporary secretary. The program also employs four peer counselors made up of some of the program's own successful students. An example is Marcus Huggans, a graduate student in Engineering Management.

The primary mission of the Minority Engineering Program and Minority Student Services Office is to promote and support ethnic diversity within the university community and to increase

the number of minority graduates entering our state and nation's engineering and science work force.

The program caters to groups of students on campus that have been traditionally discriminated against such as Hispanics, Native Americans, and African Americans. There are approximately 175 students on the UMR campus that would be classified as minorities.

The program began in 1973 with a \$50,000 seed grant from the Alcoa Foundation to help start-up the program. Originally, the program relied on donations from corporations and grants to meet the funding needs. Recently, however, it received a budget from the School of Engineering.

According to Floyd Harris, whose been the director of the M.E.P. since 1978, approximately 65% of the funds come from state and federal grants as well as corporate donations and another 15% come from alumni donations. The remaining 20% of the funds are provided by the school of engineering.

One of the services offered by the program is scholarships for about 20 freshman and transfer students each

year. Although the scholarships were originally available only for one year, they are now renewable.

The M.E.P. also hosts the Master Student Course managed by Dr. Collier. It is a two semester program for first year students at UMR. Minority students can participate in a seven-week summer enrichment program. These programs educate minority students by bringing in speakers from industry and campus.

The ARCO study center is open to all students on campus. It is equipped with a new Gateway 2000, a Macintosh II Cx, and a HP Laser Jet printer. There is also an academic course file system as well as a fax machine and Cannon Copier available. During the day the M.E.P. also provides tutors who will help all students. The tutors cover classes taken within the first two years such as Calculus and Physics.

The program enables disadvantaged students to become successful at UMR. M.E.P. freshmen (19 students) had an average GPA of 3.54 which is greater than the first time freshmen engineering (670 students) average GPA of 3.02 last year. No information was available on overall retention rate.

## Third and long. . . Pass the potato chips



Ryan Shewgo

Football fans at Pi Kappa Phi fraternity watch as the Green Bay Packers battle the New England Patriots in Super Bowl XXXI. The Packers won 35 - 21.

## Professor elected to national post



Keith Missey  
Staff Writer

Dr. Frank Blum, a Curator's Professor of chemistry at the University of Missouri-Rolla, has been elected the vice chair of the Division of Polymer Chemistry Inc. of the American Chemical Society for 1997.

The ACS is a 140,000 member organization of chemical professionals. The Division of Polymer Chemistry is the third largest and most active division of the organization with approximately 7500 members.

Blum said, "I decided to run because I think that we all have a responsibility to serve the public, in this case through the POLY organization. Because of POLY, scien-

tists all over the world are better educated, better trained, and know of the latest developments. They can use this information to make better products for all of us."

The materials Blum is discussing are polymers, large molecules found in plastics, adhesives, coatings, fibers, elastomers and other biological macromolecules. As Blum described, one of the main goals of the polymer division is to promote polymer chemistry through many different areas including publications, research, and high quality meetings.

As vice chair, Blum guides the Division's activities in publications, electronic communications, and meetings. He also started a web site which can be found at <http://www.chem.umn.edu:80/~poly/>.

see Blum, page 16

## SUB presents The Main Attraction



Casey Morris  
News Editor

On Tuesday February 4, the UMR Student Union Board (SUB) will sponsor a performance by African-American a cappella group The Main Attraction. The performance will be in Centennial, UC-East at 8:00 p.m.

The Main Attraction has opened for such acts as Smokey Robinson, The Four Tops, Eddie Murphy, and Color Me Badd. Besides appearances on TV and at Mardi Gras, they were asked by Microsoft founder Bill Gates to perform at his 1994 wedding reception.

The group's bass is Tony Graves who has been singing since age thirteen and toured internationally with The Platners for three years. Ronnie Rowland sings first tenor for the group. Rowland graduated from the Univer-

sity of Washington, and then began an All-Pro career in the Canadian Football league before returning to singing.

Singing second tenor is group co-founder Lee Conerly. Conerly majored in music at Texas Southern University and plays trumpet, French horn and baritone horn. After college, he performed in *Porgy and Bess* and *Ain't Misbehavin'* with the Civic Light Opera Company in Seattle.

Antwaine Richardson sings lead, tenor and baritone in The Main Attraction. He also writes, arranges and produces the group's songs. Richardson earned All-American honors as a line backer for the University of Washington. He had planned to play for the St. Louis Cardinals before a knee injury turned him back to his first love, music.

The Main Attraction released its first album, *By Request* in July of 1989. Their second album, *Sweet Harmony*, features eight original tunes that the group performs in its stage show.

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# UMR graduate student wins international award for physics research



News Services

Source

Stephen L. Jones, a Ph.D. candidate at the University of Missouri-Rolla and a St. Louis native, is the first American and one of the first ever to receive the new international Ehrhardt Prize for atomic physics research.

"I was really surprised," Jones says about winning the award in Belfast, Northern Ireland. "Until they announced the award, I didn't know anything about it or the competition."

Jones, a graduate research assistant in the physics department at UMR, is trying to predict what happens when three atomic particles interact. His theoretical research is conducted under the guidance of his advisor, physics professor Dr. Don Madison.

Madison believes Jones won the award because "he has done a better job at getting closer to solving three-particle problems than what has been done previously. We haven't solved it, but we're closer."

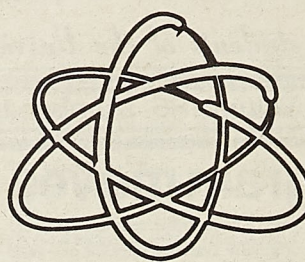
Scientists have known about three-particle problems, also known as three body problems, for about 300 years. Their solutions are considered unsolvable in closed form. "When you have two particles interacting, it's a straightforward problem to solve," Jones says. "But when you have three interacting particles, we can't solve the problem."

What makes Jones' research unique is that he's trying to predict what happens when three atomic particles get close together from a knowledge of what happens when they are far apart. "The idea is if we can get that part right, we will develop a better representation of what happens when the particles get closer together," Madison says. "It's a matter of taking what we can solve and applying it where we can't." Others in the field are only looking at the particles when they are close together.

"The calculations that others are doing are the opposite," Jones says. "Their calculations look good in certain cases, but break down completely in other cases."

Jones was invited to present his paper, "Three-body Models of Electron-Hydrogen Ionization," this fall during the European Conference on Coincidence Studies of Electron and Photon Impact Ionization in Belfast, where he and a German physicist won the Ehrhardt award.

Two Ehrhardt prizes are awarded



annually to "two physicists in the early stages of their research career, who have made the most significant contribution to the understanding of atomic collision processes and coincidence studies."

This was the first year for the competition. Sixteen individuals, repre-

sented eight countries, were finalists for the award. Jones was the only American in the competition.

In addition, Jones was invited to give a talk in July 1995 at the International Conference on the Physics of Electronic and Atomic Collisions in Canada, where he presented his work to 700 experts in the field of collision, a sub-field of atomic physics.

"To demonstrate how impressive this is, most people receive their doctoral degree and work for several years before receiving an invitation to give a talk, but Steve hasn't even received his degree and already has given two invited talks," Madison says.

Madison says Jones has worked hard to earn the distinction so early in his career. During the last three years, Jones has had to write the computer programs he needs because they didn't exist. "This research required writing a new type of program that no one has ever used," Jones says.

The calculations became enormous when he incorporated a wave function

— developed by other research physicists in the field — into his formula. "It seemed like it would take forever to run this program, but then we found some tricks that made it hundreds of times faster," Jones says. "Now, it runs in five minutes. Originally, it would have taken something like 100 days to run — that's how bad it was."

The first version of the code was 30,000 times slower than the present version. About a year ago we found something that gave us another factor of a hundred times faster, and that's what made the drastic difference."

Jones and Madison point out that the basic research they do can be used by other scientists and engineers in their work.

"Our results are needed for other things — things that we don't even know about," Madison says. "For example, two years ago when one of Steve's papers was published, I got a call from an engineer in Wisconsin needed the results of Steve's studies to use in his modeling code to build more efficient, safe lighting sources. Some

see Jones, page 16

## UMR alum Mathes appointed to UM Board of Curators



Deon Light

Staff Writer

Governor Mel Carnahan announced his appointment to the University of Missouri Board of Curators Wednesday. He submitted John Mathes, an alumnus of the University of Missouri-Rolla, to the Missouri Senate for its approval.

"John Mathes cares deeply about providing the very best educational opportunities for our young people, and he has proved his willingness to support higher education—both with his energy and with his financial support," said Dr. John T. Park, chancellor of the University of Missouri-Rolla, as

he expressed his approval over the appointment.

Mathes, who was the speaker at last December's commencement cer-



photo courtesy UMR Public Relations  
**John Mathes**

emony, earned his bachelor's in civil engineering from UMR in 1967 and his masters in 1968. After graduating Mathes founded a geotechnical firm called Mathes and Associates Inc. The business focused on foundations for buildings, dams, highways and other structures.

In the late 1970s he changed the firm's focus to environmental engineering. In 1988 he sold the company to Burlington Environmental Inc. but stayed on as president until his retirement in 1992.

Mathes, along with his wife Susan, were the founders of the John and Susan Mathes Professorship in Environmental Engineering at UMR. Their original gift of \$550,000 was matched by the state-funded Missouri Endowed Chair and Professorship Program.

## UMR video wins national award



Keith Missey

Staff Writer

"UMR: The Quest for Quality" won the Crystal Award of Excellence (first place) in the Communicator Awards. The video demonstrated UMR's use of quality management concepts in its operations.

The Crystal Communicator Award of Excellence is given to those entries whose ability to communicate elevates them above the best in the field. Last year's winners include Columbia University, Sandia National Laboratories, Johns Hopkins University, Intel, Syracuse

University, Anheuser-Busch, Boeing and CBS.

The Communicator Awards is a national communications competition honoring excellence in video and film production, broadcast commercials and programs, cable commercials and programs, and television news and promotions.

The competition recognizes those individuals and companies in the communications field whose talent and creativity achieves a high standard of excellence and serves as a standard for the industry. The Communicator Awards hold annual competitions for video in the fall and print media in the spring.

see Video, page 16

The Missouri Miner is the official publication of the students of the University of Missouri-Rolla. It is distributed each Wednesday in Rolla, Missouri and features activities of the students of UMR.

The Missouri Miner encourages comments from its readers, and will attempt to print all responsible letters and editorial material received. All submissions must have a name, student ID number, and phone number for verification. Names will be withheld upon request.

The Missouri Miner is operated by the students of UMR and the opinions expressed in it do not necessarily reflect those of the university, faculty, or student body.

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# FEATURES

## Why We're A Nation of Idiots... A look at Hollywood blockbusters



Scott Mitchell  
Columnist

Have you heard about *Star Wars*? Yeah, it seems as though Lucas is re-releasing his epic mega-hit back into the box office again. This time, though, there will be enhanced sounds and special effects. I guess Lucas's main motive behind this re-releasing is to generate some excitement for his new movies which are suppose to be released in a couple of years.

*Star Wars* will be only one of the 400 estimated movies to be released in 1997. 400! Wow, a different movie every day and two on the weekends.

One has to wonder, though, if even 10 percent of these 400 will be good movies. Today, it seems, so many movies released are underbudgeted, released too quickly and lack any plot

(which, I hear, is quite important for a movie).

Most of the movies which lack in artistic quality are sequels. Sequels are rarely even comparable to their predecessors. There are, however, exceptions to this rule (*Terminator 2* and *Debbie Does Dallas* parts 4 and 5). With films like *Ace Ventura 2* and *Back to the Future 2* and 3, the sequels just demean the overall quality of the original plot and storyline.

It is interesting, then, to ponder what movies are in store for us in 1997. What hideous movies or sequels will unfold in this new year? *Evita 2: She's Back and She's Still Singing?* Or perhaps *Independence Day 2, the Realistic Version: In this Movie We Promise at Least ONE of the Main Characters Will Die*. Who knows what those zany Hollywood producers and writers will think up next?

see Nation, page 16

### Concert Listing

\* All are in St. Louis unless otherwise noted

\* Coming to Rolla in February:

Fragile Porcelain Mice, Gretchan, NIL-8, The Smarties, Celery, Frog Pond and SKA-FEST!  
(Call the Open hand for Concert Dates)

- |   |  |
|---|--|
| 1/29 The Skelatonics @ Mississippi Nights                               | 2/6 Vibrochamps @ HiPointe                               |
| Murphy's Law @ HiPointe   | 2/7 CELERY w/ Geishamen @ OPEN HAND - ROLLA!             |
| Clutch @ Bottleneck - Lawrence, KS                                      | 24-7 Spyz @ The Side Door                                |
| 1/30 Great Big Everything w/ The Smarties & Guests @ Mississippi Nights | Chalk Farm @ Juke Joint - Springfield, MO                |
| MU330 @ Blue Note - Columbia, MO  | 2/8 Chalk Farm @ The Side Door                           |
| Counting Crows w/ Fionna Apple @ Barnhill - Fayetteville, AR            | 2/10 Kula Shaker @ Grenada - ?                           |
| Matchbox 20 w/ The Gufs @ The Galaxy                                    | 2/11 Kula shaker @ Mississippi Nights                    |
| 1/31 Wilco @ Mississippi Nights   | 2/12 The Jesus Lizard w/ Firewater @ The Galaxy          |
| The Gufs @ Juke Joint - Springfield, MO                                 | Cannibal Corpse @ Juke Joint - Springfield, MO           |
| Shag w/ Invincible Groove @ The Side Door                               | 2/13 Blue Meanies w/ NIL-8 @ HiPointe                    |
| Metallica @ Kember Arana - KC, MO                                       | Jesus Lizard & Firewater @ Blue Note - Columbia, MO      |
| 2/1 Wilco @ Mississippi Nights  | 2/14 Silverchair @ Mississippi Nights                    |
| 2/2 Wilco @ Grenada - ?   | 2/16 Frog Pond & Love Nut @ Juke Joint - Springfield, MO |
| 2/3 Type O Negative w/ Sister Machine Gun @ Blue Note - Columbia, MO    | 2/17 Pachinko @ HiPointe                                 |
| 2/4 Metallica w/ Corrosion of Conformity @ Kiel Center                  | 2/18 Sebadoh @ Grenada - ?                               |
| Screw 32 @ HiPointe   | 2/14 SilverChair @ Mississippi Nights                    |
| Leftover Salmon @ Blue Note - Columbia, MO                              | 2/24 Sebadoh @ The Galaxy                                |
| 2/5 FRAGILE PORCELAIN MICE w/ NIL-8 @ OPEN HAND - ROLLA!                | 2/26 Matthew Sweet & Fastball @ Blue Note - Columbia, MO |
|   | 2/27 GRETCHAN w/ NIL-8 @ OPEN HAND - ROLLA               |
|   | New Edition Reunion Tour @ Kiel Center                   |
|   | Mustang Lightning @ HiPointe                             |
|   | 2/28 Wilco @ Blue Note - Columbia, MO                    |

## THE MINER MUSIC REVIEW



Jimbob  
Music Reviewer

Wassup Peoples! Yes, another issue with your favorite music reviewer, critique, trouble maker in the Rolla music world. Sorry to those that looked forward to my reviews on particular albums in the last issue, things have been busy and hope that future issues won't be so short.

As for new and interesting things happening, I am sure everyone has heard by now SoundTracks, local record store is going out of business so be sure to pick up all those discounted tapes and CD's you been wanting starting Monday at Forum Video, they are sure to go quick.

As for new releases, well, there still wasn't much to yak about so you all are just going to have to keep reading and twiddling those soon to be blistered thumbs.

This week's reviews consist of a Compilation of bands that are signed and soon to be as well as a pretty hip album from Incubus. So, to limit my typing and limit the crap that people don't read...here are the reviews.

Oh yeah....Remember I am still looking for people to help in filling up white space in the music section so if interested, e-mail Amy Jones (amy@umr.edu) or me (jls@umr.edu)

Incubus  
Enjoy Incubus  
Epic/Immortal Records  
Funk/Rock  
Performance: 7  
Sound Recording: 7

The land from Rock-a-Funk has been visited and from it comes Incubus. This band had been around a while in the local music scene but with its first release from Epic Records, it is sure to make an impression in anyone's music collection.

This five member band who found home life and their stardom in California have mixed the style of Faith No More with harder felt influences from the Chili Peppers to even the bell bottom, polyester, afro wearing days of disco.

The radical rhythms from Dyanike (guitarist) and the lyrical preachings of

Brandon (vocalist) lay the foundation to what we mid-west freaks define as an almost Urge sound.

This album consists of only 6 tracks, but each one is intense and groovin. I can't say I am the most gung-ho about the Urge (so shoot me dammit), but after listening to these guys for close to three hours straight, I made my decision of a definite thumbs up (Not on the Urge). I can't really say anything bad about the album except for its short selection of songs.

I really liked the funk-a-rhythm in songs like "Azwehinkweiz" (just say it syllabically and you can understand it - no its not arabic) and the case cracking intro title "You Will Be (Hot Dancer)." The guitars and drums collaborate into serious groove.

An interesting aspect added to Incubus has to be their addition of their

music manipulator Kid Lyfe. If you like scratch work and battling turntables then you definitely will appreciate what this guy can do.

I definitely give it a thumbs up so be sure to pick up a copy. It may take til X-mas for them to put out a full length album rather than this biscuit of small taste, so bear with it and get one.

Jimbob

What's New Linda?  
Compilation: Lots o' Bands  
Sony Music  
Alternative/Diverse  
Performance: 6.5  
Sound Recording: 7

Okay folks, I'm not sure if you will be able to get a copy of this CD, but it has some cool bands on it so I had to at least make some serious notes on it.

The album compiled songs from up and coming groups and already known

bands like Kula Shaker (that Tatva song that is getting *really* overplayed on MTV now) who included a live version of "Knight on the Town," London Suede with songs like "Trash" and "Saturday Night," COC, Chalk Farm and even that all girl band that played here at the Open Hand, Frog Pond playing "Trust."

By the way, be sure to check Frog Pond out February 16 at the Juke Joint in Springfield, Missouri.

One band that really sticks out from the rest, though would have to be Rasputina. I am sure that if you can get the chance to see them in concert, you will want to do so.

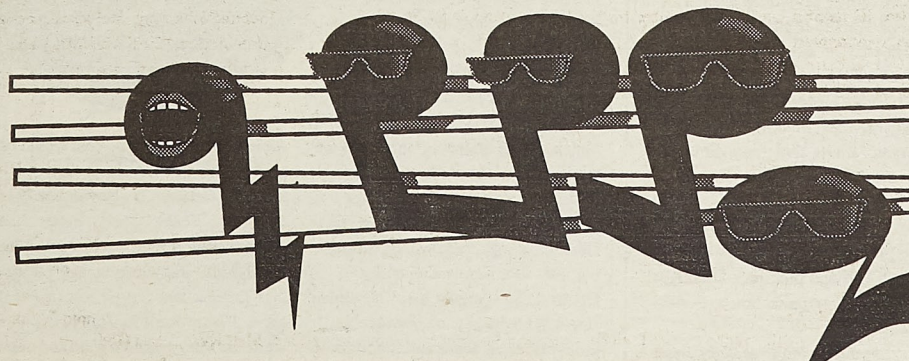
This band is not your typical Rock/Alternative grunge slammin guitar music. Ohhhh no, these ladies carry their music in a whole different way, we are talking a *cello* band with a drummer. I had the experience a while back in St. Louis to see them at Mississippi Nights.

Besides being extremely talented, their music ability and stage presence somehow trances the festering crowd and polluted club into an almost gothic feel, its really strange but way cool.

I would definitely suggest on getting any copies you can of Rasputina for one day, they will be great (you can quote me on that folks).

Not much more to say about this CD folks, so keep your eyes out for it on the shelves at your local record store or mail order hub.

Jimbob





## A Closer Look: Dr. Craig Adams



Melanie Kostedt  
Staff Writer

So are you at all curious about what we civils do with our days over in the CE building? If you stop by the soils lab, you just might see students rolling clay samples into long, narrow ropes. If you peek into the materials lab, you may catch a glimpse of students stirring rocks in long cake pans and putting them into ovens.

If you look in on Dr. Craig Adams' environmental engineering lab, you may hear students exclaim that they've spotted a free-swimming rotifer or yet another stalked ciliate. We do all kinds of exciting things!

Dr. Adams has taught in the civil engineering department at UMR for about a year and a half. As the Mathes Professor in Environmental Engineering, he has worked diligently to enhance the environmental engineering program.

To see some of the fruits of his labor, you might take a tour through the new and technologically-improved Environmental Research Center located on the first floor of the ERL building.

Although Dr. Adams was born in St. Paul, Minnesota, he and his sister spent most of their growing-up years in Lawrence, Kansas. During high school, he enjoyed outdoor activities, including football, tennis and camping. When his college days rolled around, he went to Kansas University, where his father was a professor of mathematics, and

California. Dr. Adams returned to KU to obtain his MS and Ph.D. in environmental engineering.

Upon completion of his academic pursuits, Dr. Adams became a professor in the Department of Environmental Systems Engineering at Clemson University in South Carolina. He remained there until accepting a position at UMR in July of 1995.

As a teacher of undergraduate courses focusing on the fundamentals of environmental science and water/wastewater, Dr. Adams hopes to provide students with an appreciation of key environmental issues and to spark an interest in some to pursue environmental engineering as a career.

Dr. Adams also teaches Chemical Principles in Environmental Engineering and Physicochemical Treatment Operations on the graduate level.

As a result of teaching these classes, he hopes to help students gain a strong foundation in the fundamental processes that underlie environmental engineering. That way, students may better approach and solve the many diverse problems that will confront them.



photo courtesy Dr. Adams

Dr. Craig Adams

obtained a bachelor's degree in chemical engineering.

After working four years in the research and product development department at Optical Coating Labs in

## ROCKO'S REVIEWS: A TIME TO KILL



Justin Sutherland  
Reviewer-at-Large

Where else can you get a clash of cultures involving the Ku Klux Klan, NAACP, a white idealistic lawyer, a black vigilante father and an aristocratically Southern, power hungry district attorney?

Well, now on videocassette, from the director of *Batman Forever* and the author of *The Firm* and *The Pelican Brief* comes *A Time to Kill*.

The story is top notch, but what's even more astounding are the number of stars listed on the bill for the movie.

They include Matthew McConaughey, Samuel L. Jackson, Kevin Spacey, Sandra Bullock, Donald Sutherland (no relation to myself, unfortunately), Ashley Judd and Keifer Sutherland (Donald's son; yet again, not related to me).

If movies were rated by the "mass density" of stars acting in it, *A Time to Kill* would probably rate pretty close to lead. This alone warrants a second look at the movie box to see what it's about.

### The Take:

Two white, backwoods hicks (no offense is intended to anyone who considers themselves a true hick) rape and attempt to murder a little

black girl from a small Southern town in Mississippi.

The little girl's father, Carl Lee Haley (Samuel L. Jackson), takes the law into his own hands and guns down his daughter's assailants while they are on their way to be arraigned in court for their crimes. Carl Lee then becomes the one on trial for his act of vigilance.

Defending him is Jake Brigance (Matthew McConaughey), an idealistic small town lawyer who sees the case as a small effort to help save the world by trying to make sure a black man can get a fair trial in the South.

The small town erupts in violence as the various sides keep watchful eyes on the proceedings of a case which will test the ideals of one lawyer against the imbedded racism surrounding him.

### Rocko's Two-Cents:

If I had a dime for every time I watched a movie of such high caliber as this one, I would probably have to find a new way to make money. Not only does *A Time to Kill* come with the "bulk package" of stars, but the way in which the story is told is excellently done.

Upon watching the scene in which the young girl is raped in the beginning of the movie, I would challenge you to not feel a bit violated yourself.

see Rocko, page 16

## The StuCo Minute



Karl Schmitt  
StuCo Source

Well, you just missed the first Student Council meeting of the semester, but don't feel bad because the next one will be Tuesday, February 18 at 6:30 p.m. in McNutt, room 204.

If you are interested in making an impact on campus and would like to join Student Council just stop by the Student Council office (room 202 in University Center West) and fill out a New Member Application.

Also, if an organization to which you belong does not yet have representation on Student Council, you or someone else from your organization needs to stop by the Student Council office to see about how your organization can get a vote on Student Council.

Student Council has a number of Chair and Assistant Chair positions open. The following is a list of the current openings:

- \* Computing Affairs Assistant
- \* Intercampus Communications Assistant
- \* Intercultural Relations Chair
- \* Intercultural Relations Assistant
- \* Professional Societies Assistant
- \* Public Relations Chair
- \* Public Relations Assistant
- \* Student Services Assistant

If you are interested in one of these challenging positions on Student Council and would like to hear more about becoming a chair, e-mail Karl Schmitt (kschmitt@umr.edu) or stop by the Student Council office today.

Every semester Student Council provides funding for student organizations that have financial needs that exceed their current funds.

If your organization would like to partake of these funds, stop by the office and pick up a Club Appropriations Application by Friday, January 31.

If you have any questions about the Applications, contact Bob Babcock (rbabacock@umr.edu).

## Gazing Starward, Astrology by Zander O'Reefe

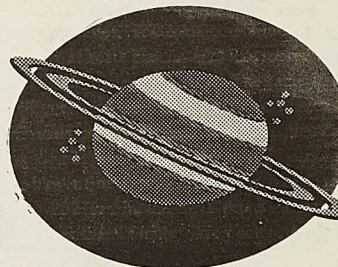
**Aries (March 21 - April 19)** - You go to the store. You store acorns in the store. Acorns are cool because you like corn. Corny, eh? No, actually it's fishy. Fishy? Acorns? Where are the watermelons?

**Taurus (April 20 - May 20)** - Tambourines! Acorns! Tambourines! Acorns! Tambourines! Acorns! Tambourines! Babies! Aren't you glad I didn't say acorns! Acorns! **Gemini (May 21 - June 20)** - Greed will get you nowhere. Then again, your life is a complete waste of time and pretty much nothing will get you anywhere so go ahead and be greedy. Eat acorns, too.

**Cancer (June 21 - July 22)** - Sometimes in the course of human events, one has to sit back and ponder the imponderable, rationalize the irrational, do the undoable, think the unthinkable and triumph over inescapable odds. You shall do all of this this week—except for the pondering, rationalizing, doing, thinking, and triumphing bits. Oh, acorns are cool.

**Leo (July 23 - August 22)** - The golden ring will be the key to your success. It is shaped as an acorn and it will bring you all the joy you have sought—so seek it! Now! Go to it! For King George and Henry!

**Virgo (August 23 - September 22)** - This is a helmet, it is not an acorn. Helmets protect your head from damage—something that you will need to watch out for this week. Beware the hippos, though they're the best! **Libra (September 23 - October 22)** - Tape is an amazing thing which holds a lot of stuff together. It doesn't hold



acorns together though—that would be glue sticks.

**Scorpio (October 23 - November 21)** - Scissors! Yeah! Cool! Better than acorns because they cut things! Like Band-Aids, and blankets, and plastic, and fingers, and legs if you try real hard. Please don't try really hard this week...it's for your own good and ours. **Sagittarius (November 22 - December 21)** - See Capricorn, but without the acorn part.

**Capricorn (December 22 - January 19)** - I bet the ancient Greeks didn't have tweezers, even though they ate acorns. This is because tweezers are the pinnacle of human delicate technological advancement. Now that may sound high powered to you, but just remember what tweezers are used for—to remove belly button lint. How high powered is that, I ask you? Not very, especially for the ancient Greeks, hence their lack of tweezers.

**Aquarius (January 20 - February 18)** - Some variables are complex, some variables are random, and some variables are acorns. The most important kinds of variables, however, are the kinds that are not variable but instead some sort of weird constancy. But still with change, but not like a variable change. Oh, forget it and just go get a hot dog and radish.

**Pisces (February 19 - March 20)** - A burning building will teach you the true meaning of no-stick cooking spray, because of the fact that a representative from the sticky cooking spray company burned down the building and a representative from the non-stick cooking spray company saved the building. So that is good. Acorns.



## A Visit to L.A.: dangerous traffic, difficult translation



John Johnson  
Humor Columnist

My parents now live in Pasadena, California just north of L.A. So for my winter vacation I went to visit them. Los Angeles is an interesting city whose name comes from the two Spanish words "los" which means "the" and "angeles" which means "drivers have lost control." The highways of L.A. are not for the meek. This is a place where speed limit is a mere suggestion and the use of the turn signal is a warning.

But my biggest surprise was discovering that my parents are just as bad as everyone else. I mean, these are the people who taught me to drive using the motto: "For God sakes, slow down, boy!"

I had never seen my dad even exceed the speed limit as I was growing up. But there I was in the passenger seat as "Mad Max" piloted the Mini-Van of Death down highway 605.

I was instantly possessed with feelings of pride mixed with moments of sheer terror as we passed semis at quantum speeds. But I eventually got used to this new form of interstate travel, and we returned safely home to my mother who was waving a checkered flag from the window.

As it turned out, five days later I learned that my dad was merely practicing the necessary survival skills that drivers must master in L.A. Survival Skills that my younger cousin has precious little mastery of. I'll never forget the fateful Wednesday that she came to pick my sister and me up to pay a visit to my relatives. Everything was fine until she accelerated to 70 mph up the entrance ramp and then proceeded to merge *perpendicularly* with traffic.

She then pushed her cute little Hyundai into the fast lane. But for some reason she decided that the far right lane was more attractive and performed the only triple lane change that I ever want to be involved in. When she saw my ashen face in the mirror she simply asked, "What?"

Thank God that I survived that ordeal, along with the trip back. For if I had died, I would have missed my chance to speak Spanish! After taking two semesters of Spanish in high-school, I got my first opportunity to use my bilingual skills in an L.A. thrift store. The cultural experience went something like:

Nice Hispanic Lady: "Te gusta los pantalones?"

Me: "Come again?"

Lady: "Los jeans, los jeans. Te gusta?"

Me: Must...recall...Spanish lessons..."Me gusta cantar en la banal!"

Needless to say, the lady was quite perplexed. For what I told her was that I like to sing in the bathroom. But unfortunately, this along with "Mi lapiz encima de mesa" which literally translated means, "My pen is on top of the table" is all that I remembered from high-school. But I did none the less end up communicating with the lady. She looked at me with an understanding

see L.A., page 16

## Spelunkers Club invites new members



Rob Tayloe  
Spelunkers Club  
Source

Hey! If you aren't afraid of the dark, tight places, bats, slimy crawly things, mud, cooold water and the such come join the MSM Spelunkers Club as we slither, crawl and climb through some of the neatest places under the earth.

Yes, we do tend to get a tad muddy and wet, but then again, what are ya, a wimp? Just because your mommy told ya not to play in mud puddles doesn't mean ya can't crawl through them...

Besides, she isn't around to watch ya here, is she?

Our meetings are every Wednesday at 6 p.m. in McNutt 204, with a special New Members Meeting today Wednesday, January 29.

We will discuss the New Members trip and have a slide or video show, refreshments and even a very special guest speaker, Mr. Jerry Vineyard, at 7p.m.

The MSM Spelunkers Club is devoted to the safe exploration of caves, with a very high emphasis of respect for the cave, its owners and the critters found within the caves. If ya can't muster this last part, please go play in

your own  
back-  
yard.



However, we welcome all folks that will respect the caves and who would care to join us as we explore, conserve, survey and photograph Missouri and surrounding states' beautiful underground.

For more information or if you can't make the meeting, feel free to contact us at spelunk@umr.edu or call Bart Potts, vice president (364-0260) or Rob Tayloe, president, (341-6461). <http://www.umr.edu/~spelunk>

## THE IRISH TIMES DAZE ARE NUMBERED



Brent Osborn  
St. Pat's Source

The men of the distinguished St. Pat's Committee would like to inform you all that we are now available and at your service in a brand new location! We can now be reached at 210UC-West office suite.

Come in and chat, get your questions answered and buy your green on your way out when you are done. Sorry, the hot tub is not yet finished and the installer cut our phone line bringing it in, so when that is back up I will inform you of the number.

If you have not yet noticed, and it would be amazing if you could actually pass the Puck without, for your shopping pleasure we have along with the hats (\$13), we have

mugs (\$8) and shot glasses (\$3) available and ready to be filled with your favorite tasty beverage.

The specials are moving faster than anyone would have guessed, so be sure to get yours today as there is a great possibility that none will be available when St. Pat's gets here.

We would especially like to thank all those who interviewed this week. All of you seem to be a hard-working and motivated group of individuals.



Thank you for your interest and dedication to making St. Pat's so great.

Keep your organization working hard toward its goals of a number one float, number one cudgel and number one in green sales. We are excited about the

number of entries we have, the competition will be fierce and tough.

Do not slack now as there are only 43 Daze 'til the Best Ever St. Pat's Celebration 1997!

## Results: ACO in Philadelphia

Two Academic Competition Organization teams travelled to Philadelphia over the weekend to compete in the first annual National Academic Quiz Tournament (NAQT). Both teams received bids to the tournament after a second and third place finish in the NAQT Southwest Regional. The A Team consisted of seniors Mark Rooney and Jeremy White, junior James Hyink and sophomore Brandon Chapman. The B Team consisted of graduate student Chris Taylor, junior John Durako and freshmen Lute Blair and B.J. Marshall.

**A Team: 44th of 64 - 6/9 wins**  
**B Team: 57th of 64 - 4/11 wins**

## Tips and Quips for Writers: Audience and Tone



Barbara Baird  
WAC Source

In the last issue of this newspaper, I mentioned finding the purpose of your paper. If you can figure out the purpose early in the game, the paper gets a direction.

Unless you have a professor who prefers meandering around a subject, you are better off to choose a purpose. Although, you might be halfway through the first draft and your purpose could change! That is okay. Go with the flow. Change it.

The second step in putting together a good paper is to consider your audience. Ask yourself these questions: 1. How do I want my audience to react to the subject? 2.

How much does the audience already know about the subject? 3. What's the background of the audience? 4. What is the appropriate tone to use?

The first three questions should be easy enough to answer. The fourth question about tone will be the most difficult one to figure out. Tone is very important when writing a paper.

Some good words to use when describing proper tone are dignified, polite, understanding, etc. Some words to stay away from are those that infer uncomplimentary insinuations, ignorant opinions and tactlessness; these tones humiliate, belittle and/or offend your audience.

You can be positive and still criticize something. In writing situations, remember to be polite. Your mother told you that before you left for college, and now your tutor is reiterating that advice.



If you are polite, positive and persuasive, you will impress your reader far more than if you are rude, negative and overbearing. You only have a few pages to influence the reader, so put your best tone forward. If you consider these options when putting together your paper, you will probably construct a paper that appeals to your audience and informs/entertains/whatever without insult.

Here's the weekly quip: About them sentence fragments.



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## Bizzie Daze (or how to survive without really trying)

by Sean Cordes

"Nike shoes -- six million dollars over the next -- first time in -- Sony spokesmen say -- new stadium -- broke last year's platinum record sales -- in treatment now -- for your children -- may present a breakthrough -- New fall line available now at last years prices! Buy now and pay nothing until 1998! It's 6:42 in the a.m., you got the morning master here at Z-106. It's Friday, so relax. Next up we got Pearl Jam, Led Zeppelin and more kids, let's get up and go-go-go."

Life tuned in. Dick zipped open both eyes, snapped from the couch, missed the coffee table and television, stepped on an old *Time* magazine, slid over an array of newspaper circulars and Guaranteed Sweepstakes awards, snagged a scrap of newsprint, finally landing four feet away in the kitchen.

His mind flashed momentarily on the clutter on his floor that appeared like clockwork in morning, the result of Rex's ramblings in the night. "Could have fractured an arm or leg," he thought. "How much would that have cost me? Gotta remember to scold him later, just like Mom would."

Sometimes he thought it would be better if Rex lived out back. He tore up the house, and scattered garbage everywhere -- half the time he peed on the floor.

Dick grabbed a gold bag from a nearly bare cabinet, slapped on then off the silver hot and cold handles, and threw the scrap of newsprint into the round plastic retainer which would soon bless him with steaming espresso.

Scuttling around a tight corner, he flung two-day soiled boxers into a friendly, growing pile of cotton garments, replayed the water ritual in this new location, and relived himself into gleaming porcelain as the steam rose around him and the voice of the "Morning Master" interacted with his own growing awareness.

"Traffic is light in all areas, expect the freeways where its really heavy, so for all of you headed to work today look out! And don't forget to pick up a Gold Rose bouquet for that special someone. Flowers are like a warm hug. Just look for the Gold Rose counter at any fine store."

Friday, it was Friday! Work. Work would go quickly, screen after screen finally warming him home to tonight. Tonight, he'd be at the Broken Arrow, beer, and Betty, and Mitch, and Marla.

Finally, a chance alone, or at least a table for four with Marla. He saw her briefly at Mitch and Betty's right before they split, and with their attempt at reconciliation, Dick figured that maybe their efforts might assist in his growing ambitions with her.

He admired Mitch and Betty and had always treasured their ambition, companionship and Mitch's steaming meals delivered hot from next door. They even had a real couch, and the premium channels on cable.

Funny, he hadn't even known them before he got his job, yet there they were, next door at home, next door at work. "Hard to find work close to home, take what you can," he sup-

posed. He began the warm drench upon his head. He showered, mopped himself with soft cotton that was already slightly damp, and began to scrape his face with a light weight, double edge platinum, safety sheathed disposable razor.

The steam clung around the mirror. He smeared a circular rim into the center for a better view. A rivulet of mist clung like a string of drool at the corner of his mouth's reflection.

The voice of the "Master" droned on. "Boy, it's another cold one out today. And speaking of cold ones don't forget to dash to the Broken Arrow tonight. The Broken Arrow is the hottest spot on the strip. Hot Hot Hot! Cold kamikazes and Killian's just a buck all night long, and free drinks for the ladies till 9 p.m."

The Master had accompanied Dick by radio each morning, from the time they had called him Richard, through high school, college and now career. He ought to be called the "Old Master," Dick observed internally.

The radio voice had become an old familiar friend, so familiar in fact that Dick assumed that the recorded tape he was jamming on during his morning preparations represented his present reality, time and date.

"Bizzie Daze (or how to survive without really trying)" is the first installment of a fictional serial written by Assistant Features Editor Sean Cordes. Look in forthcoming issues of the Missouri Miner for the continuing story of Dick Bizzie.

## Film Fest continues with Cold Comfort Farm



Film Fest  
Source

The UMR Film Fest at Castleman continues Tuesday, February 4 with *Cold Comfort Farm*. There is no charge to students with a UMR ID; cost otherwise is \$3. The film will run at 7 p.m. in Leach Theater in Castleman Hall.



Directed by John Schlesinger, *Cold Comfort Farm* is set in elegant England in the 1930's.

This deliciously eccentric film tells the story of a sophisticated woman who dramatically changes the lives of each of her unmannerly relatives at Cold Comfort Farm.

Ian MacKellen does a virtuoso turn as a hellfire and brimstone preacher. The film also stars Kate Beckinsale.

This 1996 film is rated PG-13.

## SUBCONSCIOUS



Tom Mee  
SUB Source

The Student Union Board will present the movie *Dead Poets Society* this weekend.

The movie stars Robin Williams in his critically-acclaimed tour-de-force performance in this outstanding drama of inspiration and commitment.

Williams plays an unorthodox teacher in a conservative prep school. The movie will be shown in Me-

chanical Engineering, room 104 at 7 p.m. and at roughly 9 p.m.

Tuesday, January 28 the Performing Arts Committee will have a meeting to discuss the activities planned for this semester and those in the works for next fall.

The Performing Arts Committee brings events to campus that range from contemporary jazz to classical theatre in order to broaden students' interest.

Membership is open to all students, and all you have to do is show up. The meeting will be held in the Student Union Board office in 218 UC-West.

## UMR forms SEAC chapter



Mat Rogers  
Staff Writer

A new group has formed on the UMR campus with a mission to spread environmental awareness and activism.

The UMR chapter of the Student Environmental Action Coalition (SEAC, pronounced "seek") is part of a national network of college environmental groups.

Many older students on campus may remember Down To Earth, the environmental group a few years ago. SEAC has risen from the ruins of this old group, with many goals common to Down To Earth.

With a revised constitution, SEAC has recently been officially recognized as a campus organization.

At this time, SEAC is working with Student Council to develop a campus-wide recycling program. Other possible SEAC events include trail maintenance in Mark Twain National Forest, an outing to a wolf sanctuary near St. Louis, camping and hiking trips, outdoor skills classes, letter writing to elected officials and local activism.

SEAC plans to engage in an information and membership drive early in the semester. Listen to KMNZ for a SEAC informational spotlight on a Monday to be announced. An informational booth will also be set up and manned by SEAC charter members early in the semester. Look for flyers announcing these events.

Membership in SEAC is open to all UMR students and employees. If you would like to become a member, you can e-mail SEAC@umr.edu for more information.

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# SPORTS

*Basketball team to host Emporia*

## Miners fall to Bearcats Saturday



**Jim DuVale**  
Staff Writer

The Gale Bullman Multi-Purpose Building here in Rolla will be the site of this Monday's basketball game between the hometown University of Missouri-Rolla Miners (11-7, 3-7 in the Mid-Atlantic Intercollegiate Athletics Association) and the Hornets of Emporia State University (9-7, 4-4 in the MIAA). The Miners will be looking for revenge after falling to the Hornets 87-81 in the teams' previous meeting in early January.

The Miners, who have been tough to beat at home this season, 9-2 to be exact, expect to have their hands full with the Hornets and their strong inside game. "They zoned us very tough inside last time," UMR coach Dale Martin said. "They have one of the best inside players in the league." The player coach Martin is referring to is Scott Harkess, the 6-7 center who poured in 29 points and had ten boards in Emporia State University's last game against UMR. He, along with 6-8 forward Jason Anthony, and centers Oliver De Smedt and Julio Dos Santos (7-1 and 6-10 respectively), will bring considerable size to Monday's game for the Hornets, who will look to use their size advantage to control the inside game.

Not to be outdone, however, the Miners will be counting on leading

scorers Tim Holloway and Terry Smith to provide a scoring threat from the outside, and big men Jeff Kokal and Marc Tompkins to rebound after a tough competition against Northwestern Missouri State University. Game time is at 7:45, and the Miners hope to see a large crowd there.

On Wednesday, January 22, the Miners played a home game against the Missouri Southern Lions. The Miners came out the victors, in a game that saw guard Tim Holloway break the record for most career assists by a UMR player. The Miners displayed a balanced scoring attack, with four players in double digits in points by game's end. Kokal led the way with 17 points on a six for nine shooting effort. Kokal also notched nine rebounds, shot five of six from the free throw line and had two blocked shots in 26 minutes played.

The Miners took at 30-29 lead with 1:20 remaining in the first half on a free throw by Ryan Mathews and never looked back. The Lions made it interesting though, closing a ten point deficit from mid-way through the second-half to only three points with five minutes left in the game, but the Miners held on and pulled out the win 68-61.

The Miners as a team had a lackluster shooting percentage for the game however, including .387 shooting percentage at the half, but thanks to strong defensive play held a 33-29 lead at half-time. The story was nearly the same in the second half with the Miners shooting a more

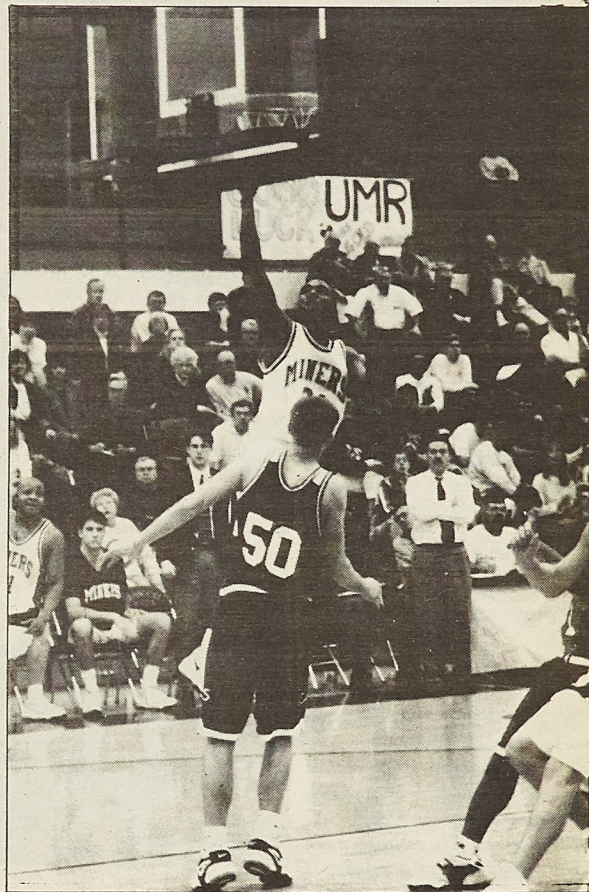
impressive .423, and holding the Lions to 12 of 32 shooting.

Missouri Southern, who dropped to 7-9 and 4-4 in the MIAA after the loss, was led by Greg Ray who shot eight for ten from the floor, including three for three from three-point land, for a total of 19 points from off the bench. Matt Olson and Mario Phillips each contributed 13 points for the Lions as well, but it was not enough to overcome the Miners.

Asked to comment on the victory, UMR's coach Martin replied, "We did a nice job defensively in the game. It was one of our best defensive efforts of the season and we got good bench support. [Ryan] Pippett and Kokal went to the boards very well, and our defense was the difference in the game. They [Missouri Southern] were content to use a half-court set," something to coach was not object to. "I was happy with the slower pace," Martin said, "it allowed us to get more bodies inside. It was a good tempo for our team." The coach also hoped this would be a sign of things to come for his team, "We haven't played well on our road trips this year, but we displayed a better effort and more patience tonight."

Coach Martin also offered his congratulations to Tim Holloway on his assist record. "He is very deserving. He's been a scoring leader, he passes the ball, and he's been a great representative of the University. Most importantly he's a competitor." Holloway set the new standard for

see Miner page 17



Justin Sutherland

Tim Holloway drives to the basket. The Miners are scheduled to host Monday February 3.

### Miner Match-up

### Emporia State at UMR Miners



Site: Gale Bullman Multi-Purpose Building, Rolla, Mo.  
Date: Feb. 3, 1997  
Time: 7:45 p.m. CST



**Players to watch:** Emporia: Scott Harkess, C; Jerry Beier, F Miners: Terry Smith, G; Marc Tompkins, F.

**Outlook:** After pulling off a win at home against Missouri Southern an ugly conference loss to Northwest Missouri State followed. This means every game is huge if the Miners wish to make the conference playoffs. The Miners must play well inside and play with composure and poise if they hope to knock off the Hornets, 9-7 and 4-4 in the league at press time.

Sources: UMR Sports Information

### M-Club Athlete



UMR Sports Information  
- Tim Holloway

-Holloway is a 6-0 senior guard from St. Louis. Holloway is the Miners leading point scorer.

Holloway broke the school record for all-time assists on Jan. 22 in a game against Missouri Southern State College. Holloway also has over 200 three-point shots. Only 6 other athletes in MIAA history have accomplished this feat.

of the week



# Cheerleaders an asset at UMR

*These student athletes often face prejudice, funding problems and struggles despite effort to support athletics*



Nathan Erdman  
Sports Editor

Their's is a story of guts, grit and determination, a story of long hours, hard work and sacrifice to represent the University of Missouri-Rolla on athletic fields and courts. But their story is also of under appreciation. This is the story of the UMR cheerleaders, a group of student-athletes who spend their time and effort to support UMR athletics and promote sportsmanship at this University.

It begins long before the athletes take the field with six hour practices and tryouts to prepare for a grueling schedule which spans two athletic seasons. During the season little changes. When basketball season begins cheerleaders have practice times which span over two or three days with games two, sometimes three times a week.

During practice, cheerleaders work on many complicated and physically demanding technical routines. "We work goes into pyramiding," Co-Captain Erica Hall said. According to Hall, cheerleaders also spend tremendous amounts of time conditioning and working to improve. In addition cheerleaders do independent conditioning work, many attend optional practices at the Mid America Gymnastics Academy. "People go out of their way to make themselves better cheerleaders," Hall said.

But as Herr points out, "It's not a varsity sport and none of us get paid." UMR cheerleaders face incredible time constraints. In addition to practices, games and schoolwork, many cheerleaders hold part-time jobs. Cheerleaders must also make nearly all their own signs and spirit equipment.

Hall and Herr as captains must put in even more time into planning practices and running the squad. "The two of us are pretty much coaches," Herr said. "The difficult part of electing a coach [captain] is that we're also their peers and have to enforce demerits on our peers and friends. A coach would help out extremely," Hall said.

"We do some dangerous stuff," cheerleader Mindy Antolak added. The cheerleaders emphasized a need for someone to watch stunts with numerous cheerleaders involved and pyramids to comment to improve safety as well as technical performance.

It takes time, heart, dedication and trust in each other for these athletes to master their skills. "There's a lot of trial



Justin Sutherland

Carolyn Minski fires up the crowd during the Miners game against the Northwest Missouri State Bearcats Saturday. Hours of practice are spent by cheerleaders preparing for Miner games.

and error and guts. There's no safety except the guy underneath. When they [the girls] go up their lives are in our hands," Herr said.

"There's a lot of trust on the squad," Hall said. Hall also commented on the enormous amounts of time required to refine the technical aspects of the sport. Antolak continued to emphasize a coach's

ability to make suggestions and promote safety.

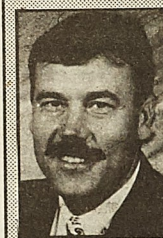
On gameday the cheerleaders routine begins before the game. "For most games we meet around an hour and a half before each game. We warm up and run through pyramids and stunting," Hall said.

"We try to get through everything as safely as possible," Herr said. When the



Justin Sutherland

Mindy Antolak cheers on the Miners. The cheerleaders now face severe financial constraints.



UMR Sports Information

*"They're a part of college athletics, a thing some students don't understand."*

- Dale Martin

game starts it's showtime. Cheerleaders dazzle the crowd with electrifying stunts, a result of countless hours of practice. They get the crowd involved with spirited cheers in support of the Miners. Cheerleaders also try to promote positive sportsmanship in fans.

"The main thing we try to do is get people on their feet yelling and clapping. We try to get them to do something positive," Erica Hall.

"We try to convert [negative fan action] into positives," Herr said. "The basketball team is an emotional team, and we're one of the only ways they get emotion to feed off," Herr added. Often on road trips with sparse fan support the cheerleaders become even more important.

Head basketball coach Dale Martin also points to the immense importance of the cheerleaders. "They contribute a lot. The cheerleaders and the pep band are the two most important factors in winning besides the players. They get the students up and create a fun atmosphere. They're a

part of college athletics, a thing some students don't understand," Martin said.

"The basketball players respect us as athletes. I've played football in high school and this is the most beat up I've been," Herr said.

Athletic Director Mark Mullin also commented on the cheerleaders' importance. "They provide support for athletic events by encouraging support and spirit from both students and the community for our athletic programs. They work hard to give quality performances at the games."

"We're doing this because we love the school," Hall said.

Considering the incredible importance of the cheerleaders to the university's athletic department and the tremendous sacrifices made by cheerleaders do they receive adequate support from the student body and the university? Sacrifices which include

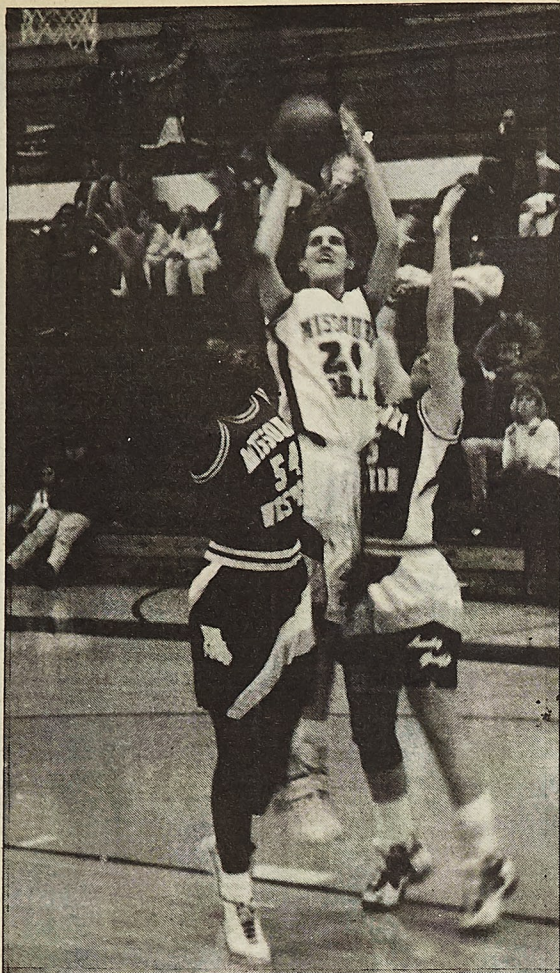
see Cheer page 17

## UCA Division II Rankings

1. Delta State University
2. Hawaii Pacific University
3. N. Kentucky University
4. Mississippi College
5. Slippery Rock University







Boyd Nissen

Heather Hartman goes strong to the basket for the Lady Miners. Hartman rolled up 18 points in the second half, leading the way for a 75-68 Lady Miner win.

## IndoorTrack begins



**Jonathan Erdman**  
Asst. Sports Editor

The University of Missouri-Rolla Miner and Lady Miner track teams will be traveling to the Arkansas State University Invitational on Feb. 1 to participate in their second invitational of indoor track season.

Coach Sarah Preston believes the meet will be tough, but will offer a beneficial challenge to the miners.

"[For] our next meet, we are scheduled to go to the Arkansas State Invitational. That meet will be every bit as tough if not tougher than this one [Arkansas Invitational on Jan. 24]. Jonesborough is typically a very strong sprinting and jumping team, so that will be a challenge for the people in those events. Sometimes, our distance people have a chance to do better. It just depends on who actually is going to be there, and I don't know that yet. It's also a division one program. We're always guaranteed tough competition when we go there," Preston said.

The Miners placed in six events in the Arkansas Invitational Jan. 24 in Fayetteville. Jamie Brueggeman tied for sixth place in the high jump, Brian Gorman, placed fifth in the weight throw with a distance of 50 feet even, setting a new school record. Ben Mulvaney came in fifth in the 5000 Meter with a time of 15:45.

UMR's Distance Medley relay team took fourth place. Craig McCauley ran the 1200 leg. Chris Ross ran the 400 leg. Michael Smolinski ran the 800 leg, and Josh Sales ran the 1000 leg. The Miner's four by four relay team scored a time of 3:30. Team members were Eddie Brown, Adam Lang, Chris Wildschultz, and Mike Weinkauff.

Weinkauff, a member of the Miner track team that was expected to place, lost his running shoe during the 50 meter sprint, and as a result did not place.

The only member of the Lady Miner track team to place was Sheri Lentz, who took fifth, with a time of 19:11 in the 5000 meter race. Tracy

see Track page 17



Boyd Nissen

Linda Roberts talks with her team. The Lady Miners beat the Bearcats 75-68 on Saturday.

## Lady Miners to host Emporia



**Gina Godat**  
Staff Writer

On Monday, February 3, the Lady Miners will host a game with the Emporia State University Hornets at the Gale Bullman Multi-Purpose Building. The Hornets have a MIAA record of 4-3 thus far in the season. Their overall record is 11-4. The Hornets have several strong players. In the last match-up of these two teams, Anita Kausaite and Shana Spann helped lead the Hornets to victory.

"They have some real tough match-ups for us because they are a lot more agile, and they can shoot a little better," said Coach Linda Roberts. "They are a team that is up in the top of the league, and we are playing them at home, so the most important factor is we want to defend our home court against anyone who comes in here and that is the attitude

we need to play with. Play strong at home and try to win all of our home games," Roberts says about the conditions of the game.

So far the Lady Miners have done a very good job of defending the home court. They have won 18 of the last 19 games at the Gale Bullman Multi-Purpose Building.

On Saturday, January 25, the Lady Miners took on Northwest Missouri. UMR won the game by a final score of 75-68. In the first half, Emily Mills lead the Miners in scoring with 12 points and contributed also three assists. She was 2-4 from the three point line. Heather Hartman began a career game with a solid eight points and six rebounds. Annie Coy of Northwest scored 11 points in the first half. The half-time score was 36-33, Miners on top.

With 16:08 left in the second half, Northwest fought back and tied the game at 43 with a lay-up by Kristen Folk. Northwest had it's only lead in the second half with 14:54 left on the

clock. Then the game turned as Heather Hartman took over. She scored 18 points in the second half alone. She contributed 11 rebounds. Mills finished with 17 points. Freethrows also proved to be an important factor in the game. The Miners did a good job getting to the line and their efforts showed on the scoreboard. They outscored Northwest 20-10 from the line.

"I thought we played better than we played in the past," said Coach Roberts. "We didn't shoot that great, but we made up for our lack of shooting with some real desire on defense, and we did a great job on the boards. One of the keys to the game was how hard we went to the glass. We got a lot of offensive rebounds and converted those. Hartman had a career night. She was on fire. Probably the critical factor for them was they really couldn't stop her. The rest of them just did what they had to do, hit a shot when they

see Basketball page 17

### Lady Miner Match-Up



## Emporia at UMR

Date: Feb. 3 1997

Site: Gale Bullman Multi-Purpose Building, Rolla, Mo.

Time: 5:45 p.m.



**Players to watch:** Emporia: Aneta Kausaite, F; Shanna Spann, G. UMR: LeAnn Farmer G, Heather Hartman C.

**Outlook:** The Lady Hornets will bring an 11-4 record into the game on February 3. However the Lady Miners have been dominating on their home court, losing just two games at the Gale Bullman over the last two season (both to Missouri Southern). Shooting from the perimeter and the inside play of Amber Fischer will be key.



# Miner Swimmers win Invitational



Joe McLain

Staff Writer

This week the UMR Miner swim team will host Washington University at 6 p.m. on Fri., Jan 31. The swim team just came back from the Washington Invitational where they defeated Washington among other teams. Going into the duel meet Coach Mark Mullin is confident yet also cautious. Coach Mullin said, "I feel we certainly should be favored in the meet, but it is not the kind of meet

where we can swim people anywhere we want and still win the meet. We're going to have to compete and put people in the events they normally swim to win the meet. Also we're got to swim we can't just show up. I believe going into the meet we're the stronger team, but I also believe that we're going to have to go into it and know that we are going to have to swim well to win the meet."

Last weekend Jan. 24-25 the Miners were in St. Louis competing in the Washington University Invitational. UMR finished with 872

see Swim page 17

## Miner Meet

### Washington at UMR

Date/Time: Fri., Jan. 31 at 6 p.m.

Location: Rolla.



**Outlook:** The Miners have a dual record of 3-3, and hope to go over .500.

## Miner Scores & Stats

### Men's Basketball

Wed., Jan. 22 Missouri Southern\* 68-61

Sat., Jan. 25 Northwest Missouri State\* 53-62



Overall Record: 11-7

MIAA Record: 3-7

MIAA

### Swimming

Jan. 24-25  
Washington  
Univ.  
Invitational  
1st/7

**Current  
Record**  
3-3

### Women's Basketball

Wed., Jan. 22 Missouri Southern\* 79-71

Sat., Jan. 25 Northwest Missouri State\* 75-68



Overall Record: 7-10

MIAA Record: 3-6

MIAA

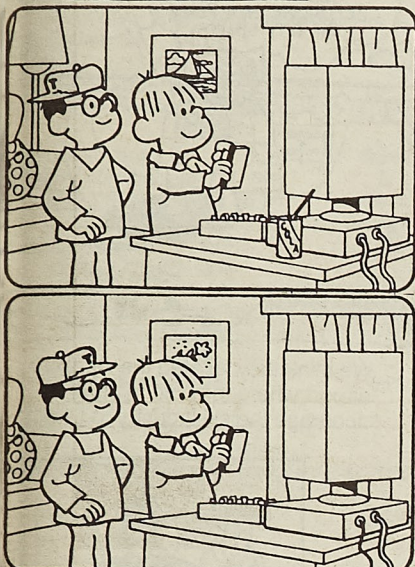


Source: UMR Sports  
Information.



# TIME KILLERS

## HOCUS-FOCUS



FIND AT LEAST 6 DIFFERENCES BETWEEN PANELS.

## King Crossword

### ACROSS

1 Lagniappe  
4 Indonesian island  
8 Emanation  
12 Past  
13 On in years  
14 Cold-shoulder  
15 Diary  
16 Clinton's instrument  
18 Batrachian noise  
20 Old card game  
21 Super large: prefix  
24 Baby carriages  
28 Sameness of color  
32 Director Kazan  
33 Kerrigan's surface  
34 Carl or Francoise  
36 X rating?

### DOWN

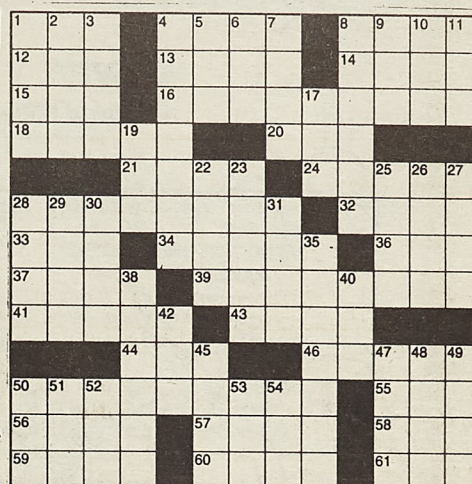
37 Phony  
39 Not to mention  
41 November birthstone  
43 Place to swing down  
44 Additionally  
46 Talent  
50 Behavior-affecting chemical  
55 One of the Brady bunch  
56 Long lunch?  
57 Crystal-gazer's opening words  
58 "Can I take that as —?"  
59 Khomeini territory  
60 Burg  
61 King

### ACROSS

2 Composer  
3 Walt Kelly comic strip  
4 Court scores  
5 Khan title  
6 Dict.  
7 Pedestal occupant  
8 On the beach  
9 Important numero  
10 Stocking spoiler  
11 Actor Vigoda  
17 Burst  
19 I Love (Latin)  
22 Hockey score  
23 He's on cloud nine  
25 Type of  
26 Carriage  
27 All there

### DOWN

28 Slight fog  
29 Eight (Sp.)  
30 Tide type  
31 "I could — horse!"  
35 Durable cotton fabric  
38 Female prison officer  
40 Spy novelist Deighton  
42 Menagerie  
45 Drop  
47 Admitting a draft  
48 Bamboo stem  
49 Kentucky fort  
50 — Beta Kappa  
51 Yon maiden  
52 Epoch  
53 Barcelona bruin  
54 Fresh



copyright 1997 King Features  
Syndicate  
see Solutions, page 16

# CAMPUS GOSSIP / CLASSIFIEDS

## HELP WANTED

Men/Women earn \$480 weekly assembling circuit boards/electronic components at home. Experience unnecessary, will train. Immediate openings your local area. Call 1-520-680-7891 EXT C200

Little C,  
Break those doors down!  
Bigg D

Kathy,  
Don't you know that's the way rumors are started...er...spread.  
Mentoree

Mentoree,  
Tell Anne, she's the one who spread 'em.  
YBM

Bigg D got some "Love!"

Diane,  
Let's sweat together again sometime.  
J

Kappa Chi is still #1!  
Candice

Let's start this semester off right, ladies, just kick it!  
Candice

Mac 1 is going to beat the Quad in St. Pat's!

Farrar 3,  
Keep up the good work - thanks for being the best!

Anne :)  
Happy 1 Year, Patrick! :)  
Candice,  
What a great date!! :)  
Kelly D is the best.

Mac 2,  
U guys are the best! This semester will rock!

Ezra #2,  
Beware! I'm only one behind!  
Ezra #1

Nat,  
Sorry I didn't match.

Happy Belated 21st, Jennifer D!!  
your favorite lab partner

I love my roomies!  
ZLAM,  
Rachel

Happy 21st, Theresa. I love ya!  
ZLAM,  
Rachel

Theresa,  
Hey Catwoman! Ready to party?  
YR

100! Theresa, you're a Hoss!

Nancy,  
Pounders was the best!  
ZLAM,  
Rachel

Hey Colleen,  
Clean your room!!  
ZLAM,  
Your Roomie

Happy Birthday, Jenn!  
ZLAM,  
YLS

My Big Sis is the best,  
FZR, ZLAM,  
Katy

Kruta,  
Keep your clothes on!  
ZLAM

Congrats on initiation, Sigma Nu's NI's. We love you.  
The Zeta NI's

Happy 21st Birthday, Theresa! Get legally loaded!  
ZLAM,  
Amy

ZTA,  
It's the nineties. The board finally accepted, why don't you?  
The silent majority

Nancy,  
Are you sure you're not a vampire?  
YR

I love my family!  
Amanda

Nancy,  
Chicago was great!  
YR

My roommates are the coolest!!!  
ZLAM,  
Amanda

Hey Art,  
Can I kiss you? I guess I have to wait in line!!  
ZLAM

Dave and Jaggi,  
Congrats on initiation. I knew you could do it!! YBS loves you.  
YBS

Jake,  
Meet me at the railroad tracks or else!!  
LOVE,  
The Terminator

Face #2,  
I'm glad to have you back.  
Face #1

Hey Rachel and Lesley,  
Have you been taking any walks lately?

Lori,  
I miss you!!!  
ZLAM,  
Ang

Zeta loves their Alums!

Diana,  
Since when did throwing dice and drinks become part of "back" gammon?  
Love,  
"Chicken" and  
"Fish"

Jen Campbell,  
Look before you get into any cars!  
And make sure it's your grey Dodge.  
ZLAM,  
Kelly and Kim

Congratulations Phi Kappa Theta NI's! We love you!  
Zeta NI's

Mary,  
We love you and your "attitude." :)  
Do your best!  
Kappa Sigs

A&R,  
I miss living under you.  
Face #1

Robyn,  
What will I do without you?  
Face

see Gossip, page 16

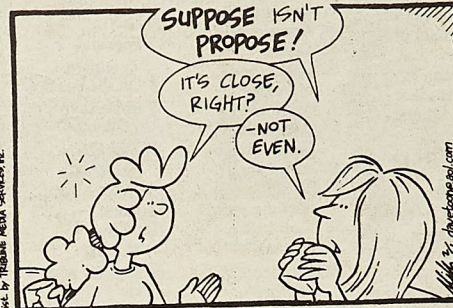


# COMICS



**DAVE**

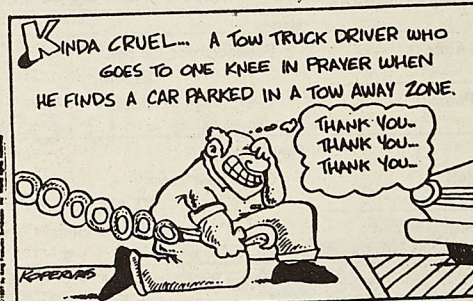
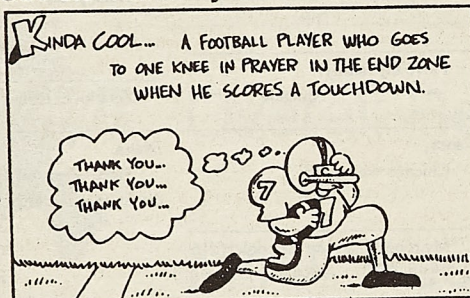
by David Miller



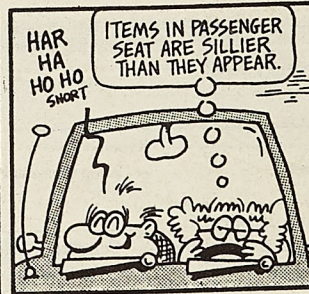
**MAMA'S BOYZ by JERRY CRAFT**



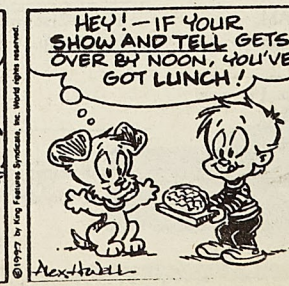
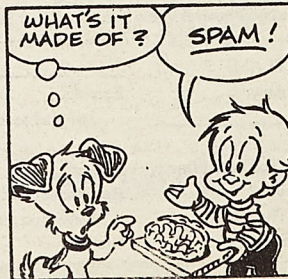
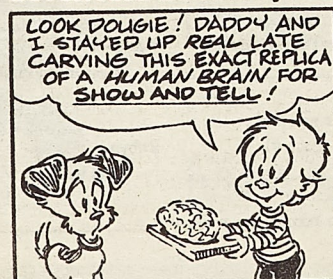
**OUT ON A LIMB by GARY KOPERVAS**



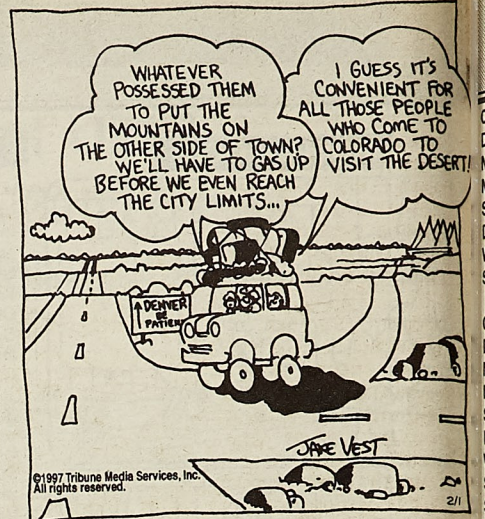
**THE SPATS by JEFF PICKERING**



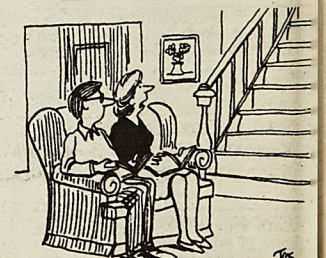
**BUTCH AND DOUGIE by ALEX HOWELL**



**That's Jake**



We think they located the Denver airport where they did in order to encourage the ski industry in Utah.



HOME PAGE ADDRESS: WWW.MISSOURI-MINER.COM



# CO-OP EMPLOYMENT

Company: Advanced Circuitry Div-Litton Sys. Sign-up Method: Open

Date of Interview: 02/20

Majors: MECH CHE ELEC

Minimum GPA: 2.450 Must be Sophomore Junior standing.

Sign-up released 2/6/97

Deadline 2/13/97 8am

WORK LOCATION: SPRINGFIELD, MO

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

Company: Airtrol Inc.

Sign-up Method: PRS-OPEN

Date of Interview: 03/11

Majors: CHE CIVL EMAN MECH US/Perm

Minimum GPA: 2.250 Must be Junior Senior standing.

Sign-up released 2/18/97

DEADLINE 2/25/97 8AM

WORK LOCATION: ST. LOUIS, MISSOURI

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

SALES POSITION - JOB DESCRIPTION AVAILABLE 303D NORWOOD HALL CO-OP OFFICE

Company: Alco Controls

Sign-up Method: Open

Majors: CMPS

INTERVIEW DATE DETERMINED LATER

Work Location: St. Louis, Missouri

DETAILED INFORMATION UNAVAILABLE AT THIS TIME

Company: Altec Industries

Sign-up Method: PRS-OPEN

Date of Interview: 02/28

Majors: MECH

Minimum GPA: 2.000 Must be Sophomore standing.

Sign-up released 2/7/97

Deadline 2/14/97 8am

WORK LOCATION: ST. JOSEPH, MO (NORTH OF KANSAS CITY)

1ST CO-OP WORK SESSION, JUNE 1997

INFORMATION MEETING: 2/27/97 7PM - UCE 211 MERAMEC ROOM

ALL STUDENTS INTERVIEWING WITH ALTEC, MUST ATTEND INFORMATION MEETING

Company: Aluminum Co. of America

Sign-up Method: PRS-OPEN

Date of Interview: 02/18

Majors: ELEC US/Perm

Minimum GPA: 2.350 Must be Sophomore Junior Senior standing.

Sign-up released 1/28/97

Deadline 2/4/97 8am

Work Location: Davenport, Iowa

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

Company: Amsted Industries

Sign-up Method: PRS-OPEN

Date of Interview: 03/18

Majors: MECH MET ELEC

Minimum GPA: 2.450 Must be Sophomore Junior Senior standing.

Sign-up released 2/25/97

Deadline - 3/4/97

Work location: various location

START 1ST CO-OP WORK SESSION May/June 1997 or August 1997

Company: Baxter Healthcare

Sign-up Method: PRS-OPEN

Date of Interview: 03/10

Majors: CHE ELEC EMAN MECH CHEM CMPS

Minimum GPA: 2.700 Must be Sophomore Junior standing.

Sign-up released 2/17/97

DEADLINE 2/24/97 8AM

Work Location: Mountain Home, Arkansas

START 1ST CO-OP WORK SESSION MAY/JUNE 1997, august 1997

BAXTER IS REQUIRING EACH STUDENT TO PICK UP A BROCHURE AND READ IT BEFORE INTERVIEW AND LOOK AT ANNUAL REPORT.

Company: BHP Minerals

Sign-up Method: PRS-OPEN

Sign-up released 2/12/97

DEADLINE 2/19/97 8AM

WORK LOCATION: RENO, NEVADA

DETAILED INFORMATION UNAVAILABLE AT THIS TIME

Company: Deere and Company

Sign-up Method: PRS-OPEN

Date of Interview: 02/18

Majors: CMPS MGTS US/Perm

Minimum GPA: 2.950 Must be Freshman Sophomore standing.

Sign-up released 1/28/97

Deadline 2/4/97 8am

WORK LOCATION: POSSIBLE ANY DEERE UNIT IN THE US

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

INFORMATION MEETING: 2/17/97 DETAILS LATER

HOMEPAGE ADDRESS: <http://www.deere.com>

Company: Dept. of Elementary & Sec. Ed.

Sign-up Method: PRS-OPEN

Date of Interview: 02/25

Majors: CMPS MGTS US Only

Minimum GPA: 2.650 Must be Junior Senior standing.

Sign-up released 2/4/97

DEADLINE 2/11/97 8AM

WORK LOCATION: JEFFERSON CITY, MISSOURI

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

INFORMATION MEETING: 2/24/97 - UCE 211 MERAMEC, 6PM-7PM

ALL STUDENTS INTERVIEWING WITH COMPANY MUST ATTEND INFORMATION MTG.

Company: Dynetics

Sign-up Method: PRS-OPEN

Date of Interview: 03/03

Majors: AERO ELEC MECH AMTH PHYS CMPS US Only

Minimum GPA: 2.950 Must be Junior Senior Grad Stu. standing.

Sign-up released 2/10/97

DEADLINE 2/17/97 8AM

WORK LOCATION: HUNTSVILLE, ALABAMA AND FORT WALTON BEACH, FLORIDA

START 1ST CO-OP WORK SESSION MAY/JUNE 1997, AUGUST 1997

JOB DESCRIPTION AVAILABLE AT CO-OP OFFICE 303D NORWOOD HALL

IF SELECTED, MUST COMPLETE AN APPLICATION

Company: Forrester Group Inc.

Sign-up Method: PRS-OPEN

Date of Interview: 03/04

Majors: CHE CIVL GEE US/Perm

Minimum GPA: 2.950 Must be Sophomore Junior Senior standing.

Sign-up released 2/11/97

Deadline 2/18/97 8AM

Work Location: Springfield, Missouri

Start work MAY/JUNE 1997

Company: General Electric Company

Sign-up Method: PRS-OPEN

Date of Interview: 02/18

Majors: MECH ELEC EMAN

Minimum GPA: 2.950 Must be Sophomore Junior standing.

Sign-up released 1/28/97

Deadline 2/4/97 8AM

Work Location: FT. WAYNE, INDIANA; VARIOUS PLANT LOCATION.

GE MOTORS & INDUSTRIAL SYSTEMS - 45 MINUTE INTERVIEWS

CANDIDATES FOR THE CO-OP ASSIGNMENTS WORK IN THE AREAS OF DESIGN, ANALYSIS,

MANUFACTURING, AND SOURCING OF ELECTRIC MOTORS.

MINIMUM 3 WORK ASSIGNMENTS

Company: Glenayre Electronics

Sign-up Method: PRS-OPEN

Date of Interview: 02/19

Majors: ELEC MECH CMPS

Minimum GPA: 2.950 Must be Sophomore Junior Senior standing.

Sign-up released 1/29/97

DEADLINE 2/5/97 8AM

WORK LOCATION: QUINCY, ILLINOIS

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

Company: Heckethorne Manufacturing

Sign-up Method: PRS-OPEN

Date of Interview: 02/25

Majors: EMAN MECH MET US Only

Minimum GPA: 2.950 Must be Junior Senior Grad Stu. standing.

Sign-up released 2/4/97

Deadline 2/11/97 8am

Work Location: Dyersburg, Tennessee

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

Company: Huffman Engineering

Sign-up Method: PRS-OPEN

Date of Interview: 03/07

Majors: ELEC

Minimum GPA: 2.950 Must be standing.

Sign-up released 2/14/97

DEADLINE 2/21/97 8AM

WORK LOCATION: LINCOLN, NEBRASKA

START 1ST CO-OP WORK SESSION MAY/JUNE 1997

Company: Magnum Technologies

Sign-up Method: PRS-OPEN

Date of Interview: 02/21

Majors: ELEC CHE MECH EMAN

Minimum GPA: 2.000 Must be Junior Senior standing.

Sign-up released 1/31/97

Deadline 2/7/97 8:00am

Work Location: Fairview Heights, IL; Houston, Tx; Los Angeles, CA and Las Vegas, Nevada

start 1st co-op work session August 1997

Homepage - <http://www.magnumtech.com>



Company: Savage Zinc  
Date of Interview: 02/07  
Majors: MET MIN GEOL  
Minimum GPA: 2.790 Must be Junior Senior standing.  
Sign-up released 1/17/97  
DEADLINE 1/24/97 8am  
Work Locations: Gordonsville, Tennessee, Thom Hill, TN; Jefferson City, TN.  
start 1st co-op work session May 1997

Sign-up Method: PRS-OPEN

Company: Sigma Chemical Company  
Date of Interview: 02/18  
Majors: CHEM US Only  
Minimum GPA: 2.450 Must be Sophomore Junior standing.  
Sign-up released 2/4/97 -  
Deadline 2/11/97 8am  
Work location: St. Louis, Missouri  
start work as a co-op student August 1997

Sign-up Method: Open

Company: Union Electric  
Date of Interview: 02/19  
Majors: ELEC MECH CIVL US/Perm  
Minimum GPA: 2.450 Must be Junior Senior standing.  
Sign-up released 2/5/97  
Deadline 2/12/97 8am  
Work Location: St. Louis, MO and mid-Missouri  
NOTE - NOTE VERY IMPORTANT (MUST BE COMPLETING OR HAVE COMPLETED 1ST SEMESTER OF JUNIOR LEVEL COURSES (IN YOUR MAJOR) MAJOR COURSES start 1st co-op work session MAY/JUNE 1997

Sign-up Method: Open

Company: Union Pacific RR  
US/Perm  
Sign-up released  
INTERVIEW DATE DETERMINED LATER  
WORK LOCATION: OMAHA, NEBRASKA AND LITTLE ROCK, ARKANSAS  
DETAILED INFORMATION AVAILABLE LATER  
Homepage: www.uprr.com

Sign-up Method: PRS-OPEN

ANHEUSER BUSCH, ST. LOUIS, MISSOURI WILL BE INTERVIEWING ON MARCH 8, 1997.  
DETAILED INFORMATION UNAVAILABLE AT THIS TIME

## FULL-TIME EMPLOYMENT

ARCHER DANIELS MIDLAND  
Interview Date: 02/14 Decatur, IL 62525  
Attn: Mr. Doug Farnay, College Recruit. Coordin.  
Degree Level: B Minimum GPA: 2.800  
Majors: CHE  
Grad Dates: 0597 0797  
Citizenship: US/Perm  
Position Available: Production Assistant  
Position Location: Midwest and Southeast  
OPEN SIGN-UP DATE: January 31 - 8:00 a.m.  
Information on position available in 301 Norwood Hall  
Transcript should be taken to the interview.

Method: Open PO Box 1470

BLACK & VEATCH ENGINEERING  
P. O. Box 8405  
Kansas City, MO 64114  
Attn: Ms. Ann Snead, College Recruiting Coord.  
Degree Level: B M Minimum GPA: 2.700  
Majors: CHE CIVL ELEC MECH CMPS MGTS  
Grad Dates: 1296 0597 0797  
Citizenship: US/Perm  
Position Available: Information in 301 Norwood Hall  
Position Location: Kansas City, MO & Overland Park, KS  
Deadline for submitting resumes: January 30  
www.bv.com

Method: PRS-OPEN

Interview Date: 02/20

CATERPILLAR COMPANY  
100 NE Adams Street  
Peoria, IL 61629-1490  
Attn: Ms. Jean Barker, Corp Professional Employmen  
Degree Level: B M Minimum GPA: 2.800  
Majors: ELEC MECH MET CMPS MGTS  
Grad Dates: 0597 0797  
Citizenship: US/Perm  
Positions Available: Engr & Research; Information Systems; Marketing  
Position Location: Illinois and N.C.  
Deadline for submitting resume: January 30  
Information on positions available in 301 Norwood Hall  
2.80/4.00 GPA required in major and overall.T  
anscript and application must be taken to interview.  
www.CAT.com

Method: PRS-OPEN

Interview Date: 02/20

CONAGRA FROZEN FOODS  
Five ConAgra Drive  
Omaha, NE 68102  
Attn: Ms. Susan Miller, Senior Staffing Specialist  
Degree Level: B Minimum GPA: 2.000  
Majors: EMAN MECH  
Grad Dates: 1296 0597 0797  
Position Available: Packaging Engineer  
Position Location: Omaha, NE  
OPEN SIGN-UP DATE: February 6 - 8:00 a.m.  
www.omaha.org/con\_pr.htm  
Information on position available in 301 Norwood Hall

Method: PRS-OPEN

Interview Date: 02/20

DEERE & COMPANY  
John Deere Road  
Moline, IL 61265  
Attn: Ms. Shelley L. Neels, Recruiting Coordinator  
Degree Level: B Minimum GPA: 2.950  
Majors: CMPS MGTS

Method: PRS-OPEN

Interview Date: 02/18

FIRST BRANDS CORP  
1700 N. 13th Street  
Rogers, AR 72756  
Attn: Mr. Lee M. Rosser, Corporate Recruiter  
Degree Level: B Minimum GPA: 2.950  
Majors: ELEC EMAN MECH  
Grad Dates: 0597 0797  
Position Location: Rogers, Arkansas  
OPEN SIGN-UP DATE: February 12 - 8:00 a.m.

Method: Open

Interview Date: 02/20

HEWLETT PACKARD  
PO Box 10301  
Palo Alto, CA 94303-0890  
Attn: , Employment Response Center  
Degree Level: B M PhD Minimum GPA: 2.000  
Majors: CMPS ELEC AMTH MECH MGTS  
Grad Dates: 0596 1296 0597 0797  
Positions Available: Field Sales Trainee; Marketing; Consultant; InfoTech Engr; Software Design; Manufct. Develop. Engr; Hardware Design  
Position Location: Unknown  
Deadline for submitting resumes: January 31, 1997  
Information on all position available in 301 Norwood Hall  
Web Page Address: http://www.jobs.hp.com

Method: PRS-OPEN

Interview Date:

IFR SYSTEMS  
10200 West York  
Wichita, KS 67215  
Attn: Mr. Phil Jones, Manager Human Resources  
Degree Level: B M Minimum GPA: 2.000  
Majors: ELEC CMPS  
Grad Dates: 1296 0597 0797  
Position Available: Design Engineer  
Position Location: Wichita, KS  
Deadline for submitting resumes: January 30  
http://www.ifrsys.com

Method: PRS-OPEN

Interview Date: 02/20

LACLEDE GAS COMPANY  
720 Olive Street Room  
St. Louis, MO 63101  
Attn: Mr. Bill Reardon, Manager of Employment  
Degree Level: B Minimum GPA: 2.650  
Majors: CHE MECH  
Grad Dates: 1296 0597 0797  
Citizenship: US/Perm  
Position Available: Engineering & Project Engineer  
Position Location: St. Louis, MO  
Deadline for submitting resume: January 31

Method: PRS-OPEN

Interview Date: 02/19

LDDS WORLD COM-ENGINEERING  
6929 N Lakewood MD 41-107A  
Tulsa, OK 74177  
Attn: Ms. Kari Clark, Engineering Support  
Degree Level: B M PhD Minimum GPA: 2.950  
Majors: ELEC CMPS  
Grad Dates: 1296 0597 0797 1297  
Citizenship: US/Perm  
Position Available: Engineer I, II, III & Development Engineer  
Position Location: Tulsa, OK  
Deadline for submitting resumes: January 30  
PRE-RECRUITMENT MEETING: Wednes. Feb 19 - 7:00 pm-Meramec Room-UCE  
Information available in 301 Norwood Hall  
http://www.wcome.com/

Method: PRS-OPEN

Interview Date: 02/20



**MAGNUM TECHNOLOGIES, INC.** Method: PRS-OPEN  
2017 West Highway 50 Interview Date: 02/20  
Fairview Heights, IL 62208-2935  
Attn: Ms. GERALYN S. ALBERS, Human Resources Coordinator  
Degree Level: B Minimum GPA: 2.000  
Majors: CHE ELEC EMAN MECH  
Grad Dates: 0597 0797  
Position Available: Electrical, Mechanical, Chemical Engineers  
Position Location: Houston, Tx; Gurnee, IL (Chicago Area)  
Deadline for submitting resumes: January 30  
www.magnumtech.com

**MISSOURI DEPT OF TRANSP.** Method: PRS-OPEN  
P. O. Box 270 Interview Date: 02/21, 03/10, 03/11  
Jefferson City, MO 65102  
Attn: Ms. Gayla Vandelicht, Sr. Human Res. Specialist  
Degree Level: B M Minimum GPA: 2.450  
Majors: CIVL  
Grad Dates: 0597 0797  
Position Available: Entry Level Civil Engineering  
Position Location: Statewide  
Deadline for submitting resumes: January 31

**OWENS ILLINOIS/TOLEDO** Method: PRS-OPEN  
One Seagate 26th Floor Interview Date: 02/20  
Toledo, OH 43666  
Attn: Ms. Terrie M. Hicks, Employment Manager  
Degree Level: B Minimum GPA: 2.700  
Majors: CER ELEC EMAN MECH CHEM  
Grad Dates: 0597 0797  
Citizenship: US/Perm  
Position Available: Facilities Engineering; R & D; Project Engr  
Position Location: Toledo, OH  
Deadline for submitting resumes: January 30  
Information about positions available in 301 Norwood Hall  
Take copy of transcript to interview.

**SCHLUMBERGER** Method: PRS-OPEN  
P.O. Box 2175, Bldg 30 Interview Date: 02/19  
Houston, TX 77252-2175  
Attn: Ms. Mary Ontiveros, Recruiting Assistant  
Degree Level: B M Minimum GPA: 2.450  
Majors: CHE CIVL ELEC GEE MECH MIN NUCL PETR GEOL PHYS  
Grad Dates: 1296 0597 0797  
Citizenship: US/Perm  
Position Available: Schlumberger Field Engineer  
Position Location: North America  
Deadline for submitting resumes: January 30  
PRE-RECRUITMENT MEETING: Tuesday, Feb 18 - 7:00 pm - Mark Twain Room  
Information about position available in 301 Norwood Hall

**SCHLUMBERGER DOWELL & WIRELINE** Method: PRS-OPEN  
300 Schlumberger Drive Interview Date: 02/19, 02/20  
Sugar Land, TX 77478  
Attn: Ms. Holly Kropschot, Personnel Administrator  
Degree Level: B Minimum GPA: 2.250  
Majors: CHE CIVL ELEC MECH PETR  
Grad Dates: 1296 0597 0797  
Position Available: Field Engineer  
Position Location: Nationwide  
Deadline for submitting resumes: January 30  
PRE-RECRUITMENT MEETING: Tuesday, Feb 18 - 7:00 pm - Mark Twain Room  
Information on position available in 301 Norwood. www.slb.com

**SHERWIN-WILLIAMS AUTOMOTIVE** Method: PRS-OPEN  
10909 S Cottage Grove Interview Date: 02/20  
Chicago, IL 60628  
Attn: Mr. Tom White, Director, Human Resources  
Degree Level: B M Minimum GPA: 2.450  
Majors: CHEM  
Grad Dates: 0597 0797 1297  
Citizenship: US/Perm  
Position Available: Development Chemist  
Position Location: Chicago, IL  
Deadline for submitting resumes: January 30

**TEXAS INSTRUMENTS-SYSTEMS GROUP** Method: PRS-OPEN  
833 LBJ Fwy, Center III, MS 8319 Interview Date: 02/18, 02/19  
Dallas, TX 75243  
Attn: Ms. Joanne Shatto, TI Scheduling Coordinator  
Degree Level: B M Minimum GPA: 2.950  
Majors: CMPS MGTS  
Grad Dates: 0597 0797 1297  
Position Available: Various Analyst Positions  
Position Location: Dallas, TX  
Deadline for submitting resumes: January 30  
Information on position available in 301 Norwood Hall  
www.TI.com

**U.S. DEPT OF DEFENSE-NAVY RECRUITING** Method: Open  
1222 Spruce St., 10th Interview Date: 02/18  
St. Louis, MO 63103-2814  
Attn: CWO4 Les Lentz, Officer Programs Recruiter  
Degree Level: B M Minimum GPA: 2.950  
Majors: CHE CIVL ELEC MECH NUCL CHEM AMTH PHYS CMPS  
Grad Dates: 1296 0597 0797 1297  
Citizenship: US Only  
Position Location: No Information available  
OPEN SIGN-UP DATE: February 4 - 8:00 a.m.



## Can you imagine Lady Liberty on Staten Island?...Intoxicating.

Fortunately, to most of you this smelly landfill is not familiar. But with each person in the United States producing 4 pounds of garbage per day, you will be forced to deal with the hazards of a wasteful, throw-away society.

### It Doesn't Disappear

Once it's taken off your curb, your garbage just doesn't disappear, as Fresh Kills landfill on Staten Island testifies. It is the world's largest landfill, covering an area the size of 3,000 football fields. Nearly 80% of the nation's garbage is dumped in landfills. The idea that much biodegradation occurs is a myth; you can still read newspapers that were buried 37 years ago. Up to 80% of this waste can be recycled, but only 10% is being recycled. Recycling not only decreases waste, but also turns waste back into useful products, conserving natural resources and energy.

### Recycle It Away

One-third of all the nation's landfills will be closed within the next 5 years because they have reached capacity or have become dangerous, producing a toxic liquid called leachate, which contaminates your drinking water. Recycling will prevent the increase of large, smelly landfills and keep your water clean and pure. Recycling also preserves natural resources and the quality of life you enjoy. Paper, which makes up 36% of waste, can easily be recycled instead of harvesting millions of trees. America cuts down 2 million trees a day. If everyone recycled Sunday newspapers, we'd save 500,000 trees every week. Recycling aluminum conserves 90% of the energy it takes to make new aluminum products. Every year Americans throw away enough aluminum to rebuild the entire American air fleet 71 times over.

The good news is you can eliminate the hazards of a wasteful, throw-away society by obtaining information and by recycling. Recycling is easy once you and your children change your habit of tossing everything into the garbage can. Saving paper and aluminum products takes you an average of only 2 minutes per day. Your small efforts will have great consequences. By recycling 2 months' worth of paper you save 20 trees. By recycling one aluminum can you save enough energy to run your TV set for 3 hours.

Become informed. Take action. Recycle. Preserve America by calling the Alliance for Environmental Education at 1-800-"Liberty" and find out more ways to reduce your waste.

**Recycle...  
it's your liberty.**





## Blum

Being elected for vice chair means Blum will also serve as the chair-elect in 1998 and chair in 1999. He explained, "The chair's position is a three year rotation so that there is time for the chair to get familiar with the Division's activities. This method ensures continuity."

Along with his position as vice chair, Blum has held other positions in the ACS and the polymer division. He has held the position of Councilor of the ACS for the South Central Missouri Section since 1987. He was the

Secretary of the polymer division in 1990-92 and 1992-95.

Blum is also very active at UMR. He is a senior research investigator in UMR's Materials Research Center, director of the Institute for Applied Chemistry, director of the Nuclear Magnetic Resonance Laboratory, and co-director of the Friction Materials Laboratory.

Blum commented, "I am proud to serve my profession in this way. My profession has done a lot for me and I hope to return some."

## Nation

I have, at times, thought about becoming a screenwriter for a big, Hollywood blockbuster. After seeing some movies, I am certain it cannot be too difficult. (Who here has seen *Mortal Kombat*? Impressive dialog throughout the entire movie.) With 400 movies scheduled for release this year, what's one more, especially if it was written by me.

I think they should bring back some of the older movies. Those were often much better than today's films. I bet if producers just brought back classic films to the box office, they would

make more money in sales and have a lower cost (not having to make a entirely new movie) overall. Plus we, the viewers, would get to see some really good movies.

The easiest way to complete this transaction from new, artistically neglected films to older, classic films is to bitch. Bitch really loud. Complain—write your Congressmen and e-mail the President. It's the only way things are going to ever change. That's all I have for now, for your humble narrator has an old, classic movie waiting in the VCR.

## Rocko

The director doesn't shelter the audience from the act by hiding it behind bushes and trees or by just implying it happened later on in dialogue. Rather he puts you in the middle of it from the victim's perspective. This creates a definitive emotional state upon which the rest of the movie emanates. This same state seems to surface towards the end in the trial's closing arguments. Only this time, it tends to leave a feeling of vindication regarding Carl Lee's crime.

In conclusion, all I have to say is kudos to the director, Joel Shumacher, and author, John Grisham.

### In A Nutshell:

- A Time to Kill
- Currently on video
- Definitely worth seeing on video
- Don't forget the popcorn!

New Videos as of Tuesday,  
January 28

The Postman (Il Postino)  
Dead Man  
Trigger Effect  
Kansas City  
The Fan

from page 1

## Jones

day light bulbs may cost half of what they do today and you'll have Steve to thank."

Jones plans to defend his dissertation this spring and be awarded a Ph.D. in May, and then head to Cambridge for post-doctoral research. In the meantime, Jones and Madison are taking a

brief moment from their hectic schedules to reflect on winning the Ehrhardt award. "I feel like a parent being proud of his child," Madison says. "This is a very impressive award."

The award is named after Professor Helmut Ehrhardt, one of Europe's leading experimental physicists. Ehrhardt

is known for his contributions to coincidence studies of atomic systems, including many developments in surface science. According to Madison, "[Ehrhardt] built the experimental apparatus to do the first measurements in ionization. He's single-handedly responsible for the area that we work in."

## Video

"UMR: The Quest for Quality," is a 6-minute video describing how the campus incorporates quality management principles such as customer focus, use of data and analysis, and strategic planning to carry out its programs. In 1995 the campus became the first university ever to win the Missouri Quality Award as a result of its

quality management efforts. The UMR video was a cooperative effort of the UMR office of public relations and the UMSys's cooperative video staff and university relations office.

The video was produced and directed by Frank Fillo, director of the UM cooperative video office, with assistance on filming and editing from

from page 2

TV and film producers in the cooperative video office Joe Camoriano, Gene Ertel and Michael Hicks.

The scriptwriting, scheduling, and assistance throughout production was provided by Andrew Careaga, John Kean, Tamie Hance, Dick Hatfield, and Marianne Ward of the UMR public relations office.

## Adams

As Dr. Adams works to expand the environmental graduate research program, his goal is to develop economical technologies to solve current environmental problems that industries are facing.

With funding from the National Science Foundation, he and some graduate students are specifically analyzing the use of oxidative pretreatment as a possible method for making synthetic organic chemicals biodegradable. They are also studying chemical oxidation to allow recovery of heavy metals from a variety of industrial wastewater and hazardous waste.

As a collaborative effort with other scientists in the area, Dr. Adams is also working with the Doe Run Company to help them meet new, stringent whole

effluent toxicity requirements imposed by DNR.

Dr. Adams and his wife, Susan, have four wonderful children: Jane, 12; Sheryl, 10 and twins, Robert and Mary, 7. Susan, who previously worked for IBM and Motorola, has remained at home the last several years in order to take part in the exciting changes occurring in the lives of their children. Now that the twins are in first grade, she substitutes periodically for the Rolla Public School System.

Dr. Adams strives to play an active role in the lives of his growing children. A good portion of his time is spent coaching and attending their sporting events.

In addition to soccer, which all the children play, the two oldest play bas-

ketball and the two youngest play T-ball.

Dr. Adams has also been involved in Cub Scouts with his son. His own hobbies have been put on hold until his kids are old enough to enjoy them along with him.

Even though research, teaching and family life consume much of his time, Dr. Adams is still more than willing to assist his students with any needs they have. He is sincerely interested in the ambitions of his students and hopes that each and every one will acquire a career they find truly rewarding.

If you have any interest at all in environmental engineering program here at UMR, you ought to seek him out. He would be more than happy to tell you all about it.

from page 6

## L.A.

face, smiled and spoke the little English that she knew: "My sock is large." Now we were getting somewhere!

I eventually bought the "pantelones," at least I think that I did, and I bid my new international friend farewell knowing that I had been part of something very special.

Perhaps someday we as a nation can find a way to cross ethnic and

language barriers. Perhaps we all learn to speak in a universal tongue of peace and tolerance. And yes, perhaps that lady's sock truly was large.

So, looking back, I had a very exciting and fulfilling winter vacation. I risked my life and crossed cultural and language barriers.

Not a bad way to start the new year! Or as they say in Spanish: "Mis

pantelones son encima de mesa en Los Angeles."

John Johnson's works can also be found in Physics 23 Lab Report Weekly of which the physics department exclaims, "While it's not scientifically correct by any means, it does make us laugh. 'C' all the way!" You can subscribe to his e-mail humor column by sending a request to jajohnso@umr.edu.

from page 7

## Gossip

Rachel,  
The printer got here today!  
YRLSER

Aimee,  
Big/Little Sis Appreciation Day -  
last year. Wanna go get some pie?  
YLS

Pikes,  
How much are you selling your  
house for?  
Guess Who

Hey Rachel,  
Isn't Beethoven dead?  
Luv in AOT,  
YASDFR

Anika,  
What do waste water and boys have  
in common?  
AOT,  
YAFBUR

Hey Lil' Sis,  
Told you shacking was fun!  
AOT,  
your favorite big  
sis

Nichole, Katy, Stacy,  
Thanks for explaining the true  
meaning of AOT, or at least the dirty  
version.  
KD Pledges are #1.

Ditto,  
AOT,  
YBSR

Stacy & Kasie,  
Thanks for showing me how much  
fun military boys can be.  
AOT,  
the youngin'

Julie and Christy,  
Your pledge ed loves you.  
AOT,  
Rachel

KD,  
What's up with this "brush" stuff?  
Keep up the good work, Tiff.

Tiffany,  
Are you sure you don't know how to  
cut hair? The KD Klippers should be  
our new fundraiser.  
KD loves Phi Kap's afterhours.

Pikes,  
Can't wait for the supper bowl party!  
KD

Aimee,  
Exactly how much money do you have?  
AOT,  
your curious sisters

Katarina Witt is a skating genius,  
damn it.

from page 14

## Solutions

### Hocus Focus

1. Lamp is missing.
2. Cap is reversed.
3. Neckline is different.
4. Picture is different.
5. Can is missing.
6. Wire is different.

T	I	P	B	A	L	I	A	U	R	A
A	G	O	A	G	E	D	S	N	U	B
L	O	G	S	A	X	O	P	H	O	N
C	R	O	A	K	L	O	O			
M	E	G	A	P	R	A	M	S		
M	O	N	O	T	O	N	E	L	I	A
I	C	E	S	A	G	A	N	T	E	N
S	H	A	M	L	E	T	A	L	O	N
T	O	P	A	Z	L	A	N	E		
T	O	O	K	N	A	C	K			
P	H	E	R	O	M	O	N	E	J	A
H	E	R	O	I	S	E	E	A	N	O
I	R	A	N	T	O	W	N	R	E	X

### Swim



# Cheer

from page 11

physical injuries and countless hours of time and effort?

The financial problems of the cheerleading program are significant. "We have to allot a certain amount of money for insurance," Herr said. "We need mats and safety harnesses." Herr continued, "We're short of funds, we went to every basketball game last year." Cheerleaders are faced with incredible financial burdens of road trips and purchasing material to make signs and other equipment necessary to perform well on game day. "Another major reason we don't go to away games when a bus is offered [by Martin and the athletic department] is professors don't see cheerleaders as a part of away games," Hall added referring to pressure placed by some members of the UMR faculty because of missed classes.

Financial constraints also make it impossible for UMR cheerleaders to compete in competitions and bring exposure to the University. "We cannot afford it. We're not considered a varsity sport by the University," Hall said.

"We just plain don't have the money, and we have no coach," Herr said.

Cheerleaders pointed to athletes at other universities and college which enjoy greater support. Cheerleaders pointed to schools such as Southwest Missouri State University at West Plains and Pittsburg State where scholarships are offered and road trips are funded. Many other schools in the region give tremendous support to cheerleading. Scholarships are offered at schools such as Northwest Missouri State, Coffeyville (Kans.) Community College, University of Missouri, Austin Peay and the University of Arkansas as well as many others. Many schools offer support for their coaches as well. An advertisement from Lehigh University for a graduate assistant coach supports the cheerleader's point as well. Lehigh is offering full graduate tuition and a \$500 stipend for their new cheerleading coach. But also require college cheerleading and instructional experience.

Cheerleaders are currently funded as an independent organization with student activity fees, not by the athletic

department. According to student activity fee figures provided by Karl Schmitt, Student Council Vice President, Internal Affairs, cheerleaders receive \$.45 per student in student fees a semester. Based on an enrollment of 5,100 cheerleaders receive \$4,950 per year. Varsity Athletics receive \$59 per student a semester, which translates to \$601,800 a year in student activity fees, an average of around \$50,150 a team.

The cheerleaders attempt to fundraise to compensate for the lack of financial support. "One of our big fundraisers is a raffle from local businesses," Hall said. The cheerleaders reportedly raised \$700, but they say this pays for only a small portion of the costs necessary for funding a successful cheerleading program. The cheerleaders also receive some support from local businesses such as Forum Dental Clinic and Ameritech.

They also point to other challenges. "Fundraising is tough for 11 people. There's only so much we can do after school and practice," Herr said. "The time would be better spent on the guys protecting the girls and the girls protecting the guys," Herr added referring again to the substantial time and effort required in practice to ensure the safety of the squad.

One solution proposed by cheerleaders is regulation and funding from the athletic department as a varsity sport. Herr said this would provide "Scholarships, a coach and traveling money."

Unfortunately, Mullin says there is not enough money in the athletic department to fund cheerleading. "Presently there is not money available to fund the cheerleaders."

"Do you want a squad which looks good and rates with other universities?" Hall asks.

With increased financial support and quality coaching and equipment Antolak believes the University could only benefit. "I think we could give something back to the school. We could be assets to the school."

# Swim

from page 12

points, over 200 more than the runner-up to finish first out of seven teams.

The Miners also had two of the top three swimmers in points. David Nurre was first with 57 and Bill Unzicker with 54 points was third overall in that statistic. Nurre had won the 500 yard freestyle, 200 yard freestyle, and contributed to two first place relay teams. Unzicker finished first in the 400 yard individual medley, helped the 800 yard freestyle relay team win, and had to second place finishes in individual events.

Coach Mullin was satisfied with the results of the meet, especially seeing the championships around the

corner. Mullin said, "I though we performed well throughout the meet. It is the last opportunity before our regional championships to swim all of our events."

Mullin attributes much of UMR swimming's success to the team's depth. Mullin said, "We are not just relying on a couple of individuals, we have got many individuals that are scoring points for us at meets such as this. That's really what we need during the stretch here going into the regional championships. We're going to have to have scoring from not one or two people but 18 people."

# Miner

assists for UMR player when he dished his 310th career assist during the game against Missouri Southern. The previous mark was 309, held by Adrian Davis who played for the Miners from 1985-1989. To add to Holloway's credentials he is currently fourth on the all time Miner scoring list, ranks second in career three-pointers with 218, and is also in the UMR top ten lists in career steals, free throws made, and free throws attempted.

On a side note, Kevin Konkright was scratched from the game due to a foot injury, and John Curry was officially dismissed from the team after failing to attend the Miner's games and practices since UMR's game against Missouri Western on January 11.

This past Saturday, the UMR Miners squared off against Northwest Missouri State University Bearcats (6-10, 4-5 in the MIAA).

The game looked to be a good one, with NWMSU winning the first match-up between the two this season, and UMR bringing its strong home record to the game. 62-53 was the final in favor of the Bearcats though, in a game that

saw neither team shooting particularly well.

In the first half the Miners struggled, shooting only .379 from the floor, but were helped along by a 6-11 mark from three point range. The Bearcats had a tough time as well, managing to go 13-30 for a .433 shooting percentage in the first half. All told, the score stood even at half-time 30-30, with both teams looking to improve their performance in the remainder of the game. Such was not the case, however, as the Miners dropped to a dismal .192 shooting percentage in the second half, and the Bearcats, not fairing much better, could only muster a .286 shot percentage.

The Miner's Terry Smith and Tim Holloway each turned out a good scoring effort- Smith scoring 22 and Holloway 16- but it was not enough to make up for the lack of scoring on the inside by the Miners. Jeff Kokal and Marc Tompkins, who averaged over 21 points per game and above a .600 shooting percentage between the two of them coming into Saturday's game, could manage only seven shots, making two of them, and combined for only four points.

# Basketball

from page 10

got and opportunity, I thought defensively we did a nice job. We played with a lot of heart in this game. This win was huge for us," said Roberts. "We haven't been playing well and we got beat by Southern on our home floor. Everybody starts wondering how good we really are and how good we really can be and playing a team that is right there with us in the standings, its going to be them or us when it comes down to those last spots in the playoffs."

On Wednesday, January 22, the Lady Miners faced Missouri Southern on the home court of the Miners, however, Southern prevailed. The final score was 79-71. Mills scored the first points of the game. The game was very close, however, the Miners maintained the lead until nine minutes had gone by in the first half. The score went back and forth with five lead changes in the next three minutes. Southern finally took control with a three point shot made by Nicole Heinz.

Southern held the lead for the remainder of the half. The leading scorer in the first half was Southern's Shelly Oliver with 13 points. UMR's Mills was next with 10. Hartman added eight rebounds and nine points. Dee Johnson had 2 assists. The halftime score was 35-41 with Southern in the lead.

The second half began where the first half left off, with Southern dominating the game. They continued to outshoot the Lady Miners and reached a 15 point lead with 9:09 left on the clock. The Miners tried to battle back, but could get no closer than six points from the lead. Leading scorer for the game was Mills with 22, followed by Southern's Marie Scott and Shelly Oliver with 19 each. The Miners were 24-55 from the field, while Southern was 27-48. Southern is the only team to defeat the Lady Miners on their own court during this season. The Lady Miners played SBU yesterday results were unavailable.

from page 9

As for the Bearcats, they were led in scoring by starting forward Phillip Simpson who had 13 points, with Silas Williams and Tim Golsten each contributing ten, and Brian Burleson led the team with 10 rebounds.

Coach Martin had this to say about the game, "It was never out of reach, we just weren't stepping up and making the shot. It was very frustrating. No one stepped up and got the job done. Inside offense - there was nothing. Right down the line we had no offense inside. You cannot be one-dimensional and be successful in the league. We had too many turnovers and you need to have more balanced scoring to win. Overall we forced a few shots late, but most of them were makeable, we just didn't convert. What we need is a guy who can break down the defense so we don't have to rely so much on the perimeter game. We lost our confidence during the game and need to start using our heads. Last year we made those shots, this year we haven't."

The Miner's were scheduled to travel to Southwest Baptist yesterday, the results were unavailable at press time.

# Track

from page 10

Jones took a seventh place out of 28 in the 800, one spot away from placing.

Preston thought that four Miners performed extremely well.

"Sheri Lentz [performed well] on the women's side, and I thought that Tracy Jones had a really good race even though she was seventh. She just missed placing. There were 28 people in the 800. She ran a 2:21:23 which was less than a half second over her school record last year, and it's far ahead of where she was at the start of last season. So, we were very exited about her performance. She ran very competitively in the field. She's a top division two performer," Preston said. "On the men's side, I was really happy with Brian Gorman's record setting weight throw and Jamie Brueggeman kind of started out where he finished up last season. That was really encouraging. These [four] were probably the strongest performers. In general we felt that people started ahead or in better shape than we were at the same time last year, so that's encouraging."

Preston thought that the Miners benefitted from their first meet of the season.

"Going to Arkansas is a very competitive challenge because of their dominance in track and field for the last decade. It's always tough to go there. We usually managed to get a few places. So that's real encouraging for us, and we need that. There were three other conference schools there to. They are some of the toughest schools in the conference. That gave us a look at them also.

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Internal Revenue Service  
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# WHAT'S UP AT UMR

All organizational meeting times and places are provided by the Student Activity Center, 218 UCW. Please send all changes to the aforementioned office.

## Wednesday

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

3:30 pm: Career Opportunities Center Resume Writing Workshop, 201 Norwood

3:30 pm: Volleyball Club, Men's practice, Rec Center

4:00 pm: Volleyball Club, Women's practice, Rec Center

5:30 pm: Sigma Gamma Epsilon, 206 McNutt

6:00 pm: Panhellenic Council Rush Informational, Mark Twain Rm, UCE

6:00 pm: St. Pats Committee, Interviews, Walnut Rm, UCW

6:00 pm: ASME, 104 ME

6:00 pm: Spelunkers Club, 204 McNutt

6:00 pm: Chess Club, UCE Cafeteria

7:00 pm: UMR Excel Professional Leadership Seminar Series, by Randy Dobbs, general manager, GE Motors, Carver/Turner Room, UCE

7:00 pm: Amateur Radio Club, 110 Buehler

7:00 pm: College Democrats, 216 McNutt

7:00 pm: IEEE, 117 CE

7:00 pm: AICHE, G-3 Schrenk

7:30 pm: Tau Beta Sigma, 126 Schrenk

7:30 pm: Kappa Kappa Psi, 125 Schrenk

## Thursday

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

2:30 pm: StuCo Lawyer, Walnut Rm, UCW

4:00 pm: Volleyball Club, Women's practice, Rec Center

4:30 pm: Chi Epsilon, 114 CE

4:30 pm: Career Opportunities Center

Resume Writing Workshop, 201 Norwood

6:00 pm: COC Interviewing Skills Workshop, Missouri Rm, UCE

6:00 pm: AICHE Committee on legislation, 109 CSF

6:30 pm: American Nuclear Society, 227 Fulton

7:00 pm: Koinonia, Walnut Rm, UCW

7:00 pm: AIAA, 214 ME Annex

7:00 pm: Intervarsity Christian Fellowship, Sunrise Rm, UCE

7:00 pm: Toastmasters, 109 CSF

8:00 pm: Solar Car Team, 103 EMgt

8:00 pm: Academic Competition Organization, 314 CE

## Friday

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

2:30 pm: Volleyball Club, Rec Center

7:00 pm: Show Me Anime, 204 McNutt

7:00 pm: SUB Movies, *Dead Poet's Society*, 104 ME

7:30 pm: Chinese Student Assn. Chinese New Year festival, Centennial Hall, UCE

9:00 pm: SUB Movies, *Dead Poet's Society*, 104 ME

## Saturday

11:00 am: Chess Club, Cafeteria, UCE

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

12:00 pm: ASUM Bd of Directors meeting, Silver and Gold Rm, UCE

7:00 pm: SUB Movies, *Dead Poet's Society*, 104 ME

9:00 pm: SUB Movies, *Dead Poet's Society*, 104 ME

## Sunday

11:00 am: Chess club, Cafeteria, UCE

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

2:00 pm: Chinese Student Assn., 216 ME

8:00 pm: KMN, 107C ME Annex

8:30 pm: Omega Sigma, 204 McNutt

## Monday

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

12:00 pm: University Orators Chapter of Toastmasters International, Missouri Rm, UCE

3:30 pm: Career Opportunities Center Resume Writing Workshop, 201 Norwood

8:00 pm: Academic Competition Organization, 314 CE

## Tuesday

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

2:30 pm: Volleyball Club, Rec Center

4:30 pm: SMSTA, G-8 HSS

5:00 pm: IFC, 216 McNutt

6:30 pm: Student Council, Missouri Rm, UCE

7:00 pm: Panhellenic Council, Program on AIDS and STD prevention, Mark Twain Rm, UCE

7:00 pm: Film Festival, *Cold Comfort Farm*, Leach Theatre, Castleman

8:00 pm: SUB, African American a cappella group "The Main Attraction," Centennial Hall, UCE

9:00 pm: Order of Omega, 216 McNutt

9:30 pm: Delta Omicron Lambda, 126 Schrenk

9:30 pm: Juggling Club, Rec Center

## Next Wednesday

11:30 am: Student Council Blood Drive, Centennial Hall, UCE

12:30 pm: Civil Engineering Environmental Engineering Program Seminar series, "The Global Environmental Market," by Lee Peyton, 203 CE

2:30 pm: Volleyball Club, Rec Center

4:00 pm: Volleyball Club, Women's practice, Rec Center

5:30 pm: Sigma Gamma Epsilon, 206 McNutt

5:30 pm: Spanish Club, 205 HSS

6:00 pm: Chess Club, Gallery, UCE

6:00 pm: Spelunkers Club, 204 McNutt

6:30 pm: Blue Key, 216 ME

6:30 pm: Student Council Intro. Meeting, Mark Twain Rm, UCE

7:00 pm: Amateur Radio Club, 110 Buehler

7:30 pm: Society of Mining Engineers, 212 McNutt

7:30 pm: Kappa Kappa Psi, 125 Schrenk

7:30 pm: Tau Beta Sigma, 126 Schrenk



**Extra!  
Extra!**

### Coffee Talks

The Multicultural Educational Support Program invites faculty, staff and students to a series of coffee talks from 9-11am on Thursdays at the MESP Office in Room 107 Norwood Hall. Free coffee, homemade pastries and good conversation are included. On the third Thursday of every month, MESP will have a guest host to lead discussions. The line-up of guest hosts includes: Variety of World Poetry with Professor Doty, February 20; Preview of "South Pacific" with John Woodfin, March 20; "Voices of Inspiration" sings songs from CD entitled "Missouri State Wide Gospel Choir"; and Stress Reliever with Ann Wilks, May 15.

### Freshman Orientation needs your help

Volunteers are needed to assist with the Freshman Orientation weekends. You can make a difference by informing prospective students of why UMR should be their first choice, have fun and take a break from your normal routine. Freshman Orientation dates are: February 21, March 7, March 31, April 25, June 11, and June 13, 1997. For more information, contact OSAC at 341-4211 or pfrisbee@umr.edu, or stop by the Center for Personal and Professional Development, 204 Norwood Hall.

### December Grads can have e-mail forwarded

Don't miss out on your e-mail! If you're leaving campus in December, let the MSM-UMR Alumni Association help you keep those electronic cards and letters coming. Just advise us of your new e-mail before February 1, 1997, and we'll take care of the rest. Your mail will be forwarded for one year,

unless you ask us to stop the forwarding sooner. To request forwarding, either send your full name, student number, UMR e-mail address, and new e-mail address to alumni@umr.edu, or see the website at <http://www.umr.edu/alumni/> and click on "e-mail forwarded," then follow the prompts. This is a service of your MSM-UMR Alumni Association. We hope it helps make your transition from campus to the "real world" a bit easier.

### Share-A-Ride

Need a ride home for spring break? Or want to give someone a lift home? The World Wide Web can help. You can find another UMR student who lives near where you are going by using the following procedure. From UMR's home page, click on Registrar's Office under **For Students**. Then click on CAPS, Reports, Grades & other student info. Put in student ID number, then pin number. Click Submit Request. Next, choose #11, share-a-ride and submit query. Finally follow the instructions.

### MSM Spelunkers Club

The MSM Spelunkers Club has been busy this semester with recreational caving trips, cave clean-ups, cave rescue training, mapping, and has hosted a number of guest speakers. All are welcome, including new members, at the weekly meetings on Wednesdays at 6:00 pm in 204 McNutt.

### Research Assistance Program

Having trouble getting started on your research? Stuck for a topic or unsure where to turn next? Need help finding material on your topic? Try using the Library's Research Assistance Program. It provides consultations with reference librarians who will help you with your research. The reference librarian will help you develop a search strategy identify appropriate subject headings in MERLIN and indices, identify subject indices and reference material and find a topic for your research assignment. To arrange a consultation fill out a reference assistance form at the library and make an appointment to consult with a reference librarian or call 341-4007 for more information.

**\$ Financial Aid \$**  
**Information**

Reminder to students for priority aid (ie: University Loan, Work Study SEOG) your Free Application for Federal Student Aid for the 97/98 academic year should be to the processor by March 3, 1997. An questions, contact the Student Financial Aid Office, G-1 Parker Hall.



# **NAWIC Founders' Scholarship Foundation**

Each year the NAWIC Founders' Scholarship Foundation awards scholarships to students in a construction related, a college degree program. NAWIC's scholarship program demonstrates commitment to the highest standards in both education and construction.

## **REQUIREMENTS:**

NAWIC seeks scholarship candidates with a similar commitment to their career in construction. If you are a currently enrolled, full-time student with a minimum of one year remaining in a course of study leading to a degree or an Associate Degree in construction-related degree program and a career in construction. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application must be postmarked no later than: **FEBRUARY 1, 1997.**

# **NAWIC The Greater Kansas City, MO Scholarship Foundation**

NAWIC seeks scholarship candidates with a similar commitment to their career in construction. If you are currently enrolled, full-time student with a minimum of one year remaining in a course of study leading to a degree or an Associate Degree in construction-related degree program and a career in construction. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application must be postmarked no later than: **MARCH 31, 1997.**

## **The John Gyles Education Fund**

The John Gyles Education Fund is a private, benevolent endeavor established seven years ago with the help of a Canadian/American benefactor. Each year financial assistance is available to students in both Canada and the United States. Full Canadian or American citizenship is a requirement. Awards are available to both male and female students for all areas of post-secondary study. A minimum GPA of 2.7 is required. Criteria other than strictly academic ability and financial need are considered in the selection process. Selected students will receive up to \$3,000.00. Filing dates for mailing applications in 1997 are **April 1st, June 15th, and November 15th.** To receive an application please send only a stamped\*\*\* (US 32 ), self-addressed, standard letter size (No. 10) envelope to the following address:

The John Gyles Education Fund  
Attention: R. James Cogle  
P.O. Box 4808, 712 Riverside Drive  
Fredericton, New Brunswick  
Canada E3B 5G4

\*\*\*We use international mail services, therefore U.S. postage is acceptable.

# **The Greater Kansas City Hispanic Scholarship Fund 1997**

The purpose of the Hispanic Scholarship Fund is to provide approximately \$60,000 in scholarships each year to both entering or continuing college students of Hispanic descent. The Fund was developed by local Kansas City Hispanic agencies which have secured cash gifts and "in-kind" matching grants from the private sector, area colleges and universities, and Hispanic interests to insure its perpetuation. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application must be received by: **March 7, 1997.**

## **Rolla Lions Club Vance Scholarship Fund**

Students must be a graduate from Newburg, St. James, or Rolla High schools. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline must be returned no later than: **April 7, 1997.**

## **Crane Fund for Widows and Children Scholarship**

The Admissions/Student Financial Aid Office wishes to make students aware of the Crane Fund for Widows and Children. This program is:

- \* for needy and deserving widows and children of men who, at their death, have left their widows and children without adequate means of support or
- \* deserving wives and/or children of men upon whom they are dependent for support but, because of age or other disability, are unable or for other reasons, fail or neglect to adequately support them respective wives and/or children.

If you meet the above terms for this program, you must complete a Crane Fund for Widows and Children Application to be considered for funding. The Crane Fund for Widows and Children Application can be received in the Student Financial Aid Office, G-1 Parker Hall. Application deadline for this program is: **February 14, 1997.**

## **NAWIC National Association of Women in Construction St. Louis Chapter 38**

The St. Louis Missouri Chapter of the National Association of Women in Construction is accepting applications for our ANNUAL Scholarship awards. Students must be enrolled in a curriculum leading to a career in a

construction-related field. Applicants are selected based upon financial need, grade point average and commitment to their field of study. NAWIC members and their families are not eligible. Equal consideration will be given to all applicants. Applicants available in the Student Financial Aid Office, G-1 Parker Hall. Application must be submitted by: **March 31, 1997.**

## **National Security Education Program Scholarship (NSEP) Opportunities for Study Abroad**

The NSEP provides opportunities for Americans to study in regions critical to US national interests (excluding Western Europe, Canada, Australia and New Zealand). In the rapidly changing world environment, these regions are important international players. Study abroad offers the opportunity to gain valuable international experience. This experience is rapidly becoming part of the competitive resume. You will be entering a job market where almost all activities have been internationalized and to be competitive it is essential to have the skills necessary to thrive in the global arena.

To be eligible, applicants must be matriculated as undergraduates at a US university, college or community college. In this merit-based competition, students may apply for study in summer 1997, fall 1997 and/or spring 1998. NSEP awards are available up to a maximum of \$8,000 per semester or \$16,000 per academic year. For applications contact your NSEP Campus representative or your institution's Financial Aid Office. For the name of your Campus Representative call the NSEP toll free at (800) 618-NSEP. Application deadline: **February 3, 1997.**

## **American Electroplaters and Surface Finishers Society**

Each year the American Electroplaters and Surface Finishers Society offers scholarships to upper class undergraduate and graduate students who are interested in the surface finishing field. Criteria:

- \* Undergraduate students must be studying in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering, or environmental engineering.
- \* Selection factors include achievement, scholarship potential, motivation and interest in the finishing technologies.
- \* Must be a full-time student during the academic year the scholarship is received.
- \* Financial need is not a factor.

Applications available in the Student Financial Aid Office, G-1 Parker Hall.

Application and all requested documents must be postmarked by **April 15, 1997.**

## **Roy N. McBride Loan/Scholarship and C.J. Grimm Scholarship**

Qualifications are that recipients shall be juniors or seniors who are progressing satisfactorily toward a baccalaureate degree in engineering and shall be persons of good character, high integrity, and common sense, and have a good sense of applied engineering. A cumulative GPA of 3.00 is a reasonable cut-off for selection of scholarship recipients. Recipients must also have financial need. Students who received an award this year will need to reapply to be considered for a 1997-98 award. The same application process and form will be used to select recipients of the C. J. Grimm Scholarship as the requirements are quite similar. The Grimm Scholarship requires that students be in the upper one fourth of their class and financial need is not to be considered. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline and transcript must be submitted by **February 1, 1997.**

## **Hubert H. Humphrey Doctoral Fellowship Program 1996-97 United States Arms Control and Disarmament Agency**

Since 1979, this federal grant program has provided financial assistance to over 80 doctoral and law students who are completing research in the fields of nuclear and conventional arms control, nonproliferation and disarmament. The total Hubert H. Humphrey grant is \$14,000, which includes \$6,000 for tuition and \$8,000 for the stipend. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline: **March 15, 1997.**

## **Glamour Magazine's 1997 Top Ten College Women Competition**

Any women who is a full-time junior (third year of undergraduate study) at an accredited college or university for the 1996-97 academic year is eligible to enter. What it takes:

- \* leadership experience
- \* involvement on campus
- \* excellence in your field of study
- \* unique, inspiring goals

Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline must be returned by: **January 31, 1997**

## **National Academy for Nuclear Training Scholarship Program**

National Academy for Nuclear Training Scholarships are awarded to college stu-

dents who have demonstrated outstanding academic achievement and who are interested in pursuing careers in the U.S. nuclear power industry. The Academy Educational Assistance Program is part of a nationwide effort to encourage students to consider careers in the nuclear power industry as well as to provide financial support to those studying subjects that prepare them for nuclear power employment. For the 1997-98 academic year, new and renewal merit-based scholarships of \$2,500 each will be awarded to eligible students.

Awards are not restricted to nuclear engineering majors.

- \* a U.S. citizen or U.S. national
- \* considering a career in the nuclear power industry
- \* enrolled at an accredited U.S. college/university in an approved curriculum related to a career in the nuclear power industry, such as: nuclear engineering, chemical engineering (nuclear or power option), mechanical engineering (nuclear or power option), electrical engineering (nuclear or power option), power generation health physics.
- \* free of post-college obligations (e.g., ROTC or NUPOC)
- \* minimum GPA of 3.0 (on a scale of 1.0 to 4.0) as of January 1, 1997
- \* at least one but no more than three academic years of study remaining to graduation (for cop-operative education students, no more than six in-school semesters or nine quarters). Applications available in the Student Financial Aid Office, G-1 Parker Hall. Deadline is **February 1, 1997.**

## **Peter D. Courtois Concrete Construction Scholarship Program**

These awards are open to any undergraduate student in the United States of Canada. The student shall have achieved senior status in a four year or longer undergraduate program in engineering, construction, or technology during the year for which awards are presenter. The awards will be made on the basis of demonstrated interest and ability to work in the field of concrete construction.

- \* The student must have a course load of 6 or more credit hours each semester during the period for which the award is made.
  - \* The student must be a senior during the year for which the award is made (not necessarily at the time of application).
  - \* Transcripts, recommendations, and an essay must be submitted as outlined on the application form.
- Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application must be received by **February 1, 1997.**

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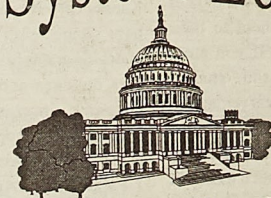


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**Mr. Jim Snider**

February 6, 1997

5:00 pm

Missouri Room-UCB

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